

Layout Verification Reporter (LVR) Results Summary

Ramtera Inc

December 21, 2025



Contents

Copyright	1
1 Regression Summary Reports	1
1.1 DRC Regression Summary Reports	1
1.2 LVS Regression Summary Reports	143
1.3 ERC Regression Summary Reports	335
1.4 SVS Regression Summary Reports	527
1.5 XOR Regression Summary Reports	623
1.6 DENSITY Regression Summary Reports	719
1.7 Macro LVS Regression Summary Reports	755

Copyright

© [2025] Ramtera Inc. All rights reserved. This document is the property of Ramtera Design Automation, Inc. and is protected under applicable copyright laws. No part of this document may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without prior written permission from Ramtera Design Automation, Inc., except in the case of brief quotations embodied in critical reviews and certain other non-commercial uses permitted by copyright law.

Ramtera Design Automation, Inc. 16192 Coastal Highway, Lewes, Delaware 19958, County of Sussex, USA.

1 Regression Summary Reports

1.1 DRC Regression Summary Reports

```
[2025-08-29 10:08:23] [info] =====
[2025-08-29 10:08:23] [info]           Design Rule Check Report
[2025-08-29 10:08:23] [info] =====

[2025-08-29 10:08:23] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:23] [info] Run Start Time:      10:08:20 AM
[2025-08-29 10:08:23] [info] Run End Time:        10:08:22 AM
[2025-08-29 10:08:23] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:08:23] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:23] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:23] [info] User Name:           kuro
[2025-08-29 10:08:23] [info] Cores Used:          16
[2025-08-29 10:08:23] [info] Memory Utilized:     6552.59 MB / 62.569698333740234 GB

[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info]           Top Cell Information
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:08:23] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:23] [info] Database Format:       GDSII
[2025-08-29 10:08:23] [info] Verification Mode:    Full Check

[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info]           Type of Errors | Count
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] DB_WARN -> 1
[2025-08-29 10:08:23] [info] DB_WARN003 -> 221
[2025-08-29 10:08:23] [info] DRC_ERR3 -> 144
[2025-08-29 10:08:23] [info] DRC_ERR9 -> 7
[2025-08-29 10:08:23] [info] -----
```

```

[2025-08-29 10:08:23] [info] Rule Violation Summary
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:23] [info] |-----|-----|-----|
[2025-08-29 10:08:23] [info] | active.1     | "active.1 : minimum width of active : 90nm" | 3           |
[2025-08-29 10:08:23] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:08:23] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 3           |
[2025-08-29 10:08:23] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 72          |
[2025-08-29 10:08:23] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 72          |
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] Performance Metrics
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] | Stage          | Time Taken |
[2025-08-29 10:08:23] [info] |-----|-----|
[2025-08-29 10:08:23] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:08:23] [info] | Rule Checking  | 0 minutes 1 seconds |
[2025-08-29 10:08:23] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] Summary
[2025-08-29 10:08:23] [info] -----
[2025-08-29 10:08:23] [info] Total Errors: 151
[2025-08-29 10:08:23] [info] Total Warnings: 222
[2025-08-29 10:08:23] [info] DRC Status: FAILED

```

```

[2025-08-29 10:08:30] [info] =====
[2025-08-29 10:08:30] [info]           Design Rule Check Report
[2025-08-29 10:08:30] [info] =====

[2025-08-29 10:08:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:30] [info] Run Start Time:      10:08:27 AM
[2025-08-29 10:08:30] [info] Run End Time:        10:08:30 AM
[2025-08-29 10:08:30] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:08:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:30] [info] User Name:           kuro
[2025-08-29 10:08:30] [info] Cores Used:          16
[2025-08-29 10:08:30] [info] Memory Utilized:     6633.61 MB / 62.569698333740234 GB

[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info]           Top Cell Information
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:08:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:30] [info] Database Format:       GDSII
[2025-08-29 10:08:30] [info] Verification Mode:    Full Check

[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info]           Type of Errors | Count
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info] DB_WARN -> 1
[2025-08-29 10:08:30] [info] DB_WARN003 -> 219
[2025-08-29 10:08:30] [info] DRC_ERR3 -> 168
[2025-08-29 10:08:30] [info] DRC_ERR9 -> 9
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info]           Rule Violation Summary
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:30] [info] |-----|-----|-----|
[2025-08-29 10:08:30] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 6           |
[2025-08-29 10:08:30] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 3           |
[2025-08-29 10:08:30] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 84          |
[2025-08-29 10:08:30] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 84          |
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info]           Performance Metrics
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info] | Stage          | Time Taken |
[2025-08-29 10:08:30] [info] |-----|-----|
[2025-08-29 10:08:30] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:08:30] [info] | Rule Checking  | 0 minutes 2 seconds |
[2025-08-29 10:08:30] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info]           Summary
[2025-08-29 10:08:30] [info] -----
[2025-08-29 10:08:30] [info] Total Errors:      177
[2025-08-29 10:08:30] [info] Total Warnings:    220
[2025-08-29 10:08:30] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:08:36] [info] =====
[2025-08-29 10:08:36] [info]           Design Rule Check Report
[2025-08-29 10:08:36] [info] =====

[2025-08-29 10:08:36] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:36] [info] Run Start Time:      10:08:34 AM
[2025-08-29 10:08:36] [info] Run End Time:        10:08:36 AM
[2025-08-29 10:08:36] [info] Time Taken:          0 minutes 5 seconds

[2025-08-29 10:08:36] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:36] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:36] [info] User Name:           kuro
[2025-08-29 10:08:36] [info] Cores Used:          16
[2025-08-29 10:08:36] [info] Memory Utilized:     6547.67 MB / 62.569698333740234 GB

[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info]           Top Cell Information
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:08:36] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:36] [info] Database Format:       GDSII
[2025-08-29 10:08:36] [info] Verification Mode:    Full Check

[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info]           Type of Errors | Count
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info] DB_WARN -> 1
[2025-08-29 10:08:36] [info] DB_WARN003 -> 221
[2025-08-29 10:08:36] [info] DRC_ERR9 -> 9
[2025-08-29 10:08:36] [info] DRC_ERR3 -> 128
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info]           Rule Violation Summary
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:36] [info] |-----|-----|-----|
[2025-08-29 10:08:36] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:08:36] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:08:36] [info] | metal5.1     | "metal5.1 : minimum width of semi-global metal5 : 140nm" | 1           |
[2025-08-29 10:08:36] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:08:36] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 64          |
[2025-08-29 10:08:36] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 64          |
[2025-08-29 10:08:36] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 4           |
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info]           Performance Metrics
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info] | Stage          | Time Taken |
[2025-08-29 10:08:36] [info] |-----|-----|
[2025-08-29 10:08:36] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:08:36] [info] | Rule Checking  | 0 minutes 1 seconds |
[2025-08-29 10:08:36] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info]           Summary
[2025-08-29 10:08:36] [info] -----
[2025-08-29 10:08:36] [info] Total Errors:    137
[2025-08-29 10:08:36] [info] Total Warnings:  222
[2025-08-29 10:08:36] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:08:16] [info] =====
[2025-08-29 10:08:16] [info]           Design Rule Check Report
[2025-08-29 10:08:16] [info] =====

[2025-08-29 10:08:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:16] [info] Run Start Time:      10:08:16 AM
[2025-08-29 10:08:16] [info] Run End Time:        10:08:16 AM
[2025-08-29 10:08:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:08:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:16] [info] User Name:           kuro
[2025-08-29 10:08:16] [info] Cores Used:          16
[2025-08-29 10:08:16] [info] Memory Utilized:     145.59 MB / 62.569698333740234 GB

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Top Cell Information
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Layout Top Cell:     gcd
[2025-08-29 10:08:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:16] [info] Database Format:       GDSII
[2025-08-29 10:08:16] [info] Verification Mode:    Full Check

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Type of Errors | Count
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] DB_WARN -> 1
[2025-08-29 10:08:16] [info] DB_WARN003 -> 24
[2025-08-29 10:08:16] [info] DRC_ERR3 -> 2
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Rule Violation Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:08:16] [info] |-----|-----|-----|
[2025-08-29 10:08:16] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 10:08:16] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Performance Metrics
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Stage | Time Taken |
[2025-08-29 10:08:16] [info] |-----|-----|
[2025-08-29 10:08:16] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Total Errors: 2
[2025-08-29 10:08:16] [info] Total Warnings: 25
[2025-08-29 10:08:16] [info] DRC Status: FAILED

```



```

[2025-08-29 10:08:16] [info] =====
[2025-08-29 10:08:16] [info]           Design Rule Check Report
[2025-08-29 10:08:16] [info] =====

[2025-08-29 10:08:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:16] [info] Run Start Time:      10:08:16 AM
[2025-08-29 10:08:16] [info] Run End Time:        10:08:16 AM
[2025-08-29 10:08:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:08:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:16] [info] User Name:           kuro
[2025-08-29 10:08:16] [info] Cores Used:          16
[2025-08-29 10:08:16] [info] Memory Utilized:     147.52 MB / 62.569698333740234 GB

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Top Cell Information
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Layout Top Cell:     gcd
[2025-08-29 10:08:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:16] [info] Database Format:       GDSII
[2025-08-29 10:08:16] [info] Verification Mode:    Full Check

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Type of Errors | Count
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] DB_WARN -> 1
[2025-08-29 10:08:16] [info] DB_WARN003 -> 34
[2025-08-29 10:08:16] [info] DRC_ERR3 -> 4
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Rule Violation Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:16] [info] |-----|-----|-----|
[2025-08-29 10:08:16] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:08:16] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:08:16] [info] |-----|-----|-----|
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Performance Metrics
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Stage          | Time Taken |
[2025-08-29 10:08:16] [info] |-----|-----|
[2025-08-29 10:08:16] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Rule Checking  | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Total Errors:      4
[2025-08-29 10:08:16] [info] Total Warnings:    35
[2025-08-29 10:08:16] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:08:16] [info] =====
[2025-08-29 10:08:16] [info]           Design Rule Check Report
[2025-08-29 10:08:16] [info] =====

[2025-08-29 10:08:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:16] [info] Run Start Time:      10:08:16 AM
[2025-08-29 10:08:16] [info] Run End Time:        10:08:16 AM
[2025-08-29 10:08:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:08:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:16] [info] User Name:           kuro
[2025-08-29 10:08:16] [info] Cores Used:          16
[2025-08-29 10:08:16] [info] Memory Utilized:     145.29 MB / 62.569698333740234 GB

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Top Cell Information
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Layout Top Cell:     gcd
[2025-08-29 10:08:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:16] [info] Database Format:       GDSII
[2025-08-29 10:08:16] [info] Verification Mode:    Full Check

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Type of Errors | Count
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] DB_WARN -> 1
[2025-08-29 10:08:16] [info] DB_WARN003 -> 26
[2025-08-29 10:08:16] [info] DRC_ERR3 -> 4
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Rule Violation Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:08:16] [info] |-----|-----|-----|
[2025-08-29 10:08:16] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:08:16] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Performance Metrics
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] | Stage | Time Taken |
[2025-08-29 10:08:16] [info] |-----|-----|
[2025-08-29 10:08:16] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:08:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info]           Summary
[2025-08-29 10:08:16] [info] -----
[2025-08-29 10:08:16] [info] Total Errors:    4
[2025-08-29 10:08:16] [info] Total Warnings:  27
[2025-08-29 10:08:16] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:08:44] [info] =====
[2025-08-29 10:08:44] [info]           Design Rule Check Report
[2025-08-29 10:08:44] [info] =====

[2025-08-29 10:08:44] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:44] [info] Run Start Time:      10:08:41 AM
[2025-08-29 10:08:44] [info] Run End Time:        10:08:44 AM
[2025-08-29 10:08:44] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:08:44] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:44] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:44] [info] User Name:           kuro
[2025-08-29 10:08:44] [info] Cores Used:          16
[2025-08-29 10:08:44] [info] Memory Utilized:     7306.80 MB / 62.569698333740234 GB

[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info]           Top Cell Information
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:08:44] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:44] [info] Database Format:       GDSII
[2025-08-29 10:08:44] [info] Verification Mode:    Full Check

[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info]           Type of Errors | Count
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info] DB_WARN -> 1
[2025-08-29 10:08:44] [info] DB_WARN003 -> 85
[2025-08-29 10:08:44] [info] DRC_ERR3 -> 160
[2025-08-29 10:08:44] [info] DRC_ERR9 -> 3
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info]           Rule Violation Summary
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:44] [info] |-----|-----|-----|
[2025-08-29 10:08:44] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 1           |
[2025-08-29 10:08:44] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:08:44] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 80          |
[2025-08-29 10:08:44] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 80          |
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info]           Performance Metrics
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info] | Stage          | Time Taken |
[2025-08-29 10:08:44] [info] |-----|-----|
[2025-08-29 10:08:44] [info] | GDS Parsing    | 0 minutes 4 seconds |
[2025-08-29 10:08:44] [info] | Rule Checking  | 0 minutes 1 seconds |
[2025-08-29 10:08:44] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info]           Summary
[2025-08-29 10:08:44] [info] -----
[2025-08-29 10:08:44] [info] Total Errors:    163
[2025-08-29 10:08:44] [info] Total Warnings:  86
[2025-08-29 10:08:44] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:08:52] [info] =====
[2025-08-29 10:08:52] [info]           Design Rule Check Report
[2025-08-29 10:08:52] [info] =====

[2025-08-29 10:08:52] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:52] [info] Run Start Time:      10:08:49 AM
[2025-08-29 10:08:52] [info] Run End Time:        10:08:52 AM
[2025-08-29 10:08:52] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:08:52] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:52] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:52] [info] User Name:           kuro
[2025-08-29 10:08:52] [info] Cores Used:          16
[2025-08-29 10:08:52] [info] Memory Utilized:     7369.49 MB / 62.569698333740234 GB

[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info]           Top Cell Information
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:08:52] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:52] [info] Database Format:       GDSII
[2025-08-29 10:08:52] [info] Verification Mode:    Full Check

[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info]           Type of Errors | Count
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] DB_WARN -> 1
[2025-08-29 10:08:52] [info] DB_WARN003 -> 85
[2025-08-29 10:08:52] [info] DRC_ERR3 -> 176
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info]           Rule Violation Summary
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:08:52] [info] |-----|-----|-----|
[2025-08-29 10:08:52] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 88
[2025-08-29 10:08:52] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 88
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info]           Performance Metrics
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] | Stage | Time Taken |
[2025-08-29 10:08:52] [info] |-----|-----|
[2025-08-29 10:08:52] [info] | GDS Parsing | 0 minutes 4 seconds |
[2025-08-29 10:08:52] [info] | Rule Checking | 0 minutes 2 seconds |
[2025-08-29 10:08:52] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info]           Summary
[2025-08-29 10:08:52] [info] -----
[2025-08-29 10:08:52] [info] Total Errors:    176
[2025-08-29 10:08:52] [info] Total Warnings:   86
[2025-08-29 10:08:52] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:08:59] [info] =====
[2025-08-29 10:08:59] [info]                Design Rule Check Report
[2025-08-29 10:08:59] [info] =====

[2025-08-29 10:08:59] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:59] [info] Run Start Time:      10:08:56 AM
[2025-08-29 10:08:59] [info] Run End Time:        10:08:59 AM
[2025-08-29 10:08:59] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:08:59] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:59] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:59] [info] User Name:           kuro
[2025-08-29 10:08:59] [info] Cores Used:          16
[2025-08-29 10:08:59] [info] Memory Utilized:     7252.89 MB / 62.569698333740234 GB

[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info]                Top Cell Information
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:08:59] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:59] [info] Database Format:       GDSII
[2025-08-29 10:08:59] [info] Verification Mode:    Full Check

[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info]                Type of Errors | Count
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info] DB_WARN -> 1
[2025-08-29 10:08:59] [info] DB_WARN003 -> 98
[2025-08-29 10:08:59] [info] DRC_ERR3 -> 144
[2025-08-29 10:08:59] [info] DRC_ERR9 -> 13
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info]                Rule Violation Summary
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:08:59] [info] |-----|-----|-----|
[2025-08-29 10:08:59] [info] | metal1.1      | "metal1.1 : minimum width of metal1 : 65nm" | 4           |
[2025-08-29 10:08:59] [info] | active.1      | "active.1 : minimum width of active : 90nm" | 7           |
[2025-08-29 10:08:59] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 2           |
[2025-08-29 10:08:59] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 72          |
[2025-08-29 10:08:59] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 72          |
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info]                Performance Metrics
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info] | Stage          | Time Taken |
[2025-08-29 10:08:59] [info] |-----|-----|
[2025-08-29 10:08:59] [info] | GDS Parsing    | 0 minutes 4 seconds |
[2025-08-29 10:08:59] [info] | Rule Checking  | 0 minutes 1 seconds |
[2025-08-29 10:08:59] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info]                Summary
[2025-08-29 10:08:59] [info] -----
[2025-08-29 10:08:59] [info] Total Errors:      157
[2025-08-29 10:08:59] [info] Total Warnings:    99
[2025-08-29 10:08:59] [info] DRC Status:        FAILED

```

[2025-08-29 10:09:23] [info] =====
[2025-08-29 10:09:23] [info] Design Rule Check Report
[2025-08-29 10:09:23] [info] =====

[2025-08-29 10:09:23] [info] Report Generated: 2025-08-29
[2025-08-29 10:09:23] [info] Run Start Time: 10:09:15 AM
[2025-08-29 10:09:23] [info] Run End Time: 10:09:23 AM
[2025-08-29 10:09:23] [info] Time Taken: 0 minutes 23 seconds

[2025-08-29 10:09:23] [info] Tool Version: LVR_2025.1
[2025-08-29 10:09:23] [info] Host Name: kuro-Workstation
[2025-08-29 10:09:23] [info] User Name: kuro
[2025-08-29 10:09:23] [info] Cores Used: 16
[2025-08-29 10:09:23] [info] Memory Utilized: 23865.24 MB / 62.569698333740234 GB

[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Top Cell Information
[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:09:23] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:09:23] [info] Database Format: GDSII
[2025-08-29 10:09:23] [info] Verification Mode: Full Check

[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Type of Errors | Count
[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] DB_WARN -> 1
[2025-08-29 10:09:23] [info] DB_WARN003 -> 37
[2025-08-29 10:09:23] [info] DRC_ERR3 -> 280
[2025-08-29 10:09:23] [info] DRC_ERR9 -> 3
[2025-08-29 10:09:23] [info] -----

[2025-08-29 10:09:23] [info] Rule Violation Summary
[2025-08-29 10:09:23] [info] -----

[2025-08-29 10:09:23] [info]	Rule ID	Description	Error Count
[2025-08-29 10:09:23] [info]	metal2.1	"metal2.1 : minimum width of intermediate metal2 : 70nm"	2
[2025-08-29 10:09:23] [info]	metal4.1	"metal4.1 : minimum width of semi-global metal4 : 140nm"	1
[2025-08-29 10:09:23] [info]	metal7.8	"metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm"	140
[2025-08-29 10:09:23] [info]	metal7.7	"metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm"	140

[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Performance Metrics

[2025-08-29 10:09:23] [info]	Stage	Time Taken
[2025-08-29 10:09:23] [info]	GDS Parsing	0 minutes 15 seconds
[2025-08-29 10:09:23] [info]	Rule Checking	0 minutes 6 seconds
[2025-08-29 10:09:23] [info]	Report Generation	0 minutes 0 seconds

[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Summary
[2025-08-29 10:09:23] [info] -----
[2025-08-29 10:09:23] [info] Total Errors: 283
[2025-08-29 10:09:23] [info] Total Warnings: 38
[2025-08-29 10:09:23] [info] DRC Status: FAILED

```
[2025-08-29 10:09:51] [info] =====
[2025-08-29 10:09:51] [info]           Design Rule Check Report
[2025-08-29 10:09:51] [info] =====
```

```
[2025-08-29 10:09:51] [info] Report Generated:    2025-08-29
[2025-08-29 10:09:51] [info] Run Start Time:      10:09:40 AM
[2025-08-29 10:09:51] [info] Run End Time:        10:09:51 AM
[2025-08-29 10:09:51] [info] Time Taken:          0 minutes 26 seconds
```

```
[2025-08-29 10:09:51] [info] Tool Version:       LVR_2025.1
[2025-08-29 10:09:51] [info] Host Name:          kuro-Workstation
[2025-08-29 10:09:51] [info] User Name:          kuro
[2025-08-29 10:09:51] [info] Cores Used:         16
[2025-08-29 10:09:51] [info] Memory Utilized:    24025.29 MB / 62.569698333740234 GB
```

```
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info]           Top Cell Information
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info] Layout Top Cell:    jpeg_encoder
[2025-08-29 10:09:51] [info] Technology Node:     Nangate45 (45nm)
[2025-08-29 10:09:51] [info] Database Format:      GDSII
[2025-08-29 10:09:51] [info] Verification Mode:   Full Check
```

```
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info]           Type of Errors | Count
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info] DB_WARN -> 1
[2025-08-29 10:09:51] [info] DB_WARN003 -> 39
[2025-08-29 10:09:51] [info] DRC_ERR3 -> 328
[2025-08-29 10:09:51] [info] DRC_ERR9 -> 29
[2025-08-29 10:09:51] [info] -----
```

```
[2025-08-29 10:09:51] [info]           Rule Violation Summary
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:09:51] [info] |-----|-----|-----|
[2025-08-29 10:09:51] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:09:51] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 1           |
[2025-08-29 10:09:51] [info] | active.1     | "active.1 : minimum width of active : 90nm" | 27          |
[2025-08-29 10:09:51] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 164         |
[2025-08-29 10:09:51] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 164         |
[2025-08-29 10:09:51] [info] -----
```

```
[2025-08-29 10:09:51] [info]           Performance Metrics
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info] | Stage          | Time Taken |
[2025-08-29 10:09:51] [info] |-----|-----|
[2025-08-29 10:09:51] [info] | GDS Parsing    | 0 minutes 15 seconds |
[2025-08-29 10:09:51] [info] | Rule Checking   | 0 minutes 8 seconds  |
[2025-08-29 10:09:51] [info] | Report Generation | 0 minutes 0 seconds  |
```

```
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info]           Summary
[2025-08-29 10:09:51] [info] -----
[2025-08-29 10:09:51] [info] Total Errors:    357
[2025-08-29 10:09:51] [info] Total Warnings:  40
[2025-08-29 10:09:51] [info] DRC Status:      FAILED
```

```

[2025-08-29 10:10:17] [info] =====
[2025-08-29 10:10:17] [info]           Design Rule Check Report
[2025-08-29 10:10:17] [info] =====

[2025-08-29 10:10:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:10:17] [info] Run Start Time:      10:10:08 AM
[2025-08-29 10:10:17] [info] Run End Time:        10:10:17 AM
[2025-08-29 10:10:17] [info] Time Taken:          0 minutes 24 seconds

[2025-08-29 10:10:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:10:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:10:17] [info] User Name:           kuro
[2025-08-29 10:10:17] [info] Cores Used:          16
[2025-08-29 10:10:17] [info] Memory Utilized:     23788.51 MB / 62.569698333740234 GB

[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info]           Top Cell Information
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:10:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:10:17] [info] Database Format:       GDSII
[2025-08-29 10:10:17] [info] Verification Mode:    Full Check

[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info]           Type of Errors | Count
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info] DB_WARN -> 1
[2025-08-29 10:10:17] [info] DB_WARN003 -> 34
[2025-08-29 10:10:17] [info] DRC_ERR3 -> 256
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info]           Rule Violation Summary
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:10:17] [info] |-----|-----|-----|
[2025-08-29 10:10:17] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 128
[2025-08-29 10:10:17] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 128
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info]           Performance Metrics
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info] | Stage | Time Taken |
[2025-08-29 10:10:17] [info] |-----|-----|
[2025-08-29 10:10:17] [info] | GDS Parsing | 0 minutes 15 seconds |
[2025-08-29 10:10:17] [info] | Rule Checking | 0 minutes 6 seconds |
[2025-08-29 10:10:17] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info]           Summary
[2025-08-29 10:10:17] [info] -----
[2025-08-29 10:10:17] [info] Total Errors:    256
[2025-08-29 10:10:17] [info] Total Warnings:    35
[2025-08-29 10:10:17] [info] DRC Status:      FAILED

```



```

[2025-08-29 10:00:05] [info] =====
[2025-08-29 10:00:05] [info] Design Rule Check Report
[2025-08-29 10:00:05] [info] =====

[2025-08-29 10:00:05] [info] Report Generated: 2025-08-29
[2025-08-29 10:00:05] [info] Run Start Time: 09:59:52 AM
[2025-08-29 10:00:05] [info] Run End Time: 10:00:05 AM
[2025-08-29 10:00:05] [info] Time Taken: 0 minutes 15 seconds

[2025-08-29 10:00:05] [info] Tool Version: LVR_2025.1
[2025-08-29 10:00:05] [info] Host Name: kuro-Workstation
[2025-08-29 10:00:05] [info] User Name: kuro
[2025-08-29 10:00:05] [info] Cores Used: 1
[2025-08-29 10:00:05] [info] Memory Utilized: 1508.70 MB / 62.569698333740234 GB

[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Top Cell Information
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:00:05] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:00:05] [info] Database Format: GDSII
[2025-08-29 10:00:05] [info] Verification Mode: Full Check

[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Type of Errors | Count
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] DB_WARN -> 1
[2025-08-29 10:00:05] [info] DB_WARN003 -> 221
[2025-08-29 10:00:05] [info] DRC_ERR9 -> 4
[2025-08-29 10:00:05] [info] DRC_ERR3 -> 34
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Rule Violation Summary
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:00:05] [info] |-----|-----|-----|
[2025-08-29 10:00:05] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 17
[2025-08-29 10:00:05] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 17
[2025-08-29 10:00:05] [info] | metal7.1 | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1 |
[2025-08-29 10:00:05] [info] | metal3.1 | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 3 |
[2025-08-29 10:00:05] [info]
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Performance Metrics
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] | Stage | Time Taken |
[2025-08-29 10:00:05] [info] |-----|-----|
[2025-08-29 10:00:05] [info] | GDS Parsing | 0 minutes 2 seconds |
[2025-08-29 10:00:05] [info] | Rule Checking | 0 minutes 13 seconds |
[2025-08-29 10:00:05] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Summary
[2025-08-29 10:00:05] [info] -----
[2025-08-29 10:00:05] [info] Total Errors: 38
[2025-08-29 10:00:05] [info] Total Warnings: 222
[2025-08-29 10:00:05] [info] DRC Status: FAILED

```

```

[2025-08-29 10:00:22] [info] =====
[2025-08-29 10:00:22] [info]                Design Rule Check Report
[2025-08-29 10:00:22] [info] =====

[2025-08-29 10:00:22] [info] Report Generated:    2025-08-29
[2025-08-29 10:00:22] [info] Run Start Time:      10:00:08 AM
[2025-08-29 10:00:22] [info] Run End Time:        10:00:22 AM
[2025-08-29 10:00:22] [info] Time Taken:          0 minutes 16 seconds

[2025-08-29 10:00:22] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:00:22] [info] Host Name:           kuro-Workstation
[2025-08-29 10:00:22] [info] User Name:           kuro
[2025-08-29 10:00:22] [info] Cores Used:          1
[2025-08-29 10:00:22] [info] Memory Utilized:     1525.65 MB / 62.569698333740234 GB

[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info]                Top Cell Information
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:00:22] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:00:22] [info] Database Format:       GDSII
[2025-08-29 10:00:22] [info] Verification Mode:    Full Check

[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info]                Type of Errors | Count
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info] DB_WARN -> 1
[2025-08-29 10:00:22] [info] DB_WARN003 -> 219
[2025-08-29 10:00:22] [info] DRC_ERR9 -> 9
[2025-08-29 10:00:22] [info] DRC_ERR3 -> 40
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info]                Rule Violation Summary
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info] | Rule ID      | Description                                          | Error Count |
[2025-08-29 10:00:22] [info] |-----|-----|-----|
[2025-08-29 10:00:22] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 20          |
[2025-08-29 10:00:22] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 20          |
[2025-08-29 10:00:22] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 3           |
[2025-08-29 10:00:22] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 6           |
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info]                Performance Metrics
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info] | Stage          | Time Taken |
[2025-08-29 10:00:22] [info] |-----|-----|
[2025-08-29 10:00:22] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:00:22] [info] | Rule Checking  | 0 minutes 13 seconds |
[2025-08-29 10:00:22] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info]                Summary
[2025-08-29 10:00:22] [info] -----
[2025-08-29 10:00:22] [info] Total Errors:      49
[2025-08-29 10:00:22] [info] Total Warnings:    220
[2025-08-29 10:00:22] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:00:38] [info] =====
[2025-08-29 10:00:38] [info]           Design Rule Check Report
[2025-08-29 10:00:38] [info] =====

[2025-08-29 10:00:38] [info] Report Generated:    2025-08-29
[2025-08-29 10:00:38] [info] Run Start Time:      10:00:25 AM
[2025-08-29 10:00:38] [info] Run End Time:        10:00:38 AM
[2025-08-29 10:00:38] [info] Time Taken:          0 minutes 15 seconds

[2025-08-29 10:00:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:00:38] [info] Host Name:           kuro-Workstation
[2025-08-29 10:00:38] [info] User Name:           kuro
[2025-08-29 10:00:38] [info] Cores Used:          1
[2025-08-29 10:00:38] [info] Memory Utilized:     1504.52 MB / 62.569698333740234 GB

[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info]           Top Cell Information
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:00:38] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:00:38] [info] Database Format:       GDSII
[2025-08-29 10:00:38] [info] Verification Mode:    Full Check

[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info]           Type of Errors | Count
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info] DB_WARN -> 1
[2025-08-29 10:00:38] [info] DB_WARN003 -> 221
[2025-08-29 10:00:38] [info] DRC_ERR9 -> 9
[2025-08-29 10:00:38] [info] DRC_ERR3 -> 32
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info]           Rule Violation Summary
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info] | Rule ID      | Description                                          | Error Count |
[2025-08-29 10:00:38] [info] |-----|-----|-----|
[2025-08-29 10:00:38] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 16           |
[2025-08-29 10:00:38] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 16           |
[2025-08-29 10:00:38] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:00:38] [info] | metal5.1     | "metal5.1 : minimum width of semi-global metal5 : 140nm" | 1           |
[2025-08-29 10:00:38] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:00:38] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 4           |
[2025-08-29 10:00:38] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info]           Performance Metrics
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info] | Stage          | Time Taken |
[2025-08-29 10:00:38] [info] |-----|-----|
[2025-08-29 10:00:38] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:00:38] [info] | Rule Checking  | 0 minutes 13 seconds |
[2025-08-29 10:00:38] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info]           Summary
[2025-08-29 10:00:38] [info] -----
[2025-08-29 10:00:38] [info] Total Errors:    41
[2025-08-29 10:00:38] [info] Total Warnings:  222
[2025-08-29 10:00:38] [info] DRC Status:      FAILED

```

```

[2025-08-29 09:59:49] [info] =====
[2025-08-29 09:59:49] [info]           Design Rule Check Report
[2025-08-29 09:59:49] [info] =====

[2025-08-29 09:59:49] [info] Report Generated:    2025-08-29
[2025-08-29 09:59:49] [info] Run Start Time:      09:59:49 AM
[2025-08-29 09:59:49] [info] Run End Time:        09:59:49 AM
[2025-08-29 09:59:49] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:59:49] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:59:49] [info] Host Name:           kuro-Workstation
[2025-08-29 09:59:49] [info] User Name:           kuro
[2025-08-29 09:59:49] [info] Cores Used:          1
[2025-08-29 09:59:49] [info] Memory Utilized:     31.40 MB / 62.569698333740234 GB

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Top Cell Information
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Layout Top Cell:     gcd
[2025-08-29 09:59:49] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 09:59:49] [info] Database Format:      GDSII
[2025-08-29 09:59:49] [info] Verification Mode:    Full Check

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Type of Errors | Count
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] DB_WARN -> 1
[2025-08-29 09:59:49] [info] DB_WARN003 -> 24
[2025-08-29 09:59:49] [info] DRC_ERR3 -> 2
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Rule Violation Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:59:49] [info] |-----|-----|-----|
[2025-08-29 09:59:49] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 09:59:49] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Performance Metrics
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Stage | Time Taken |
[2025-08-29 09:59:49] [info] |-----|-----|
[2025-08-29 09:59:49] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Total Errors: 2
[2025-08-29 09:59:49] [info] Total Warnings: 25
[2025-08-29 09:59:49] [info] DRC Status: FAILED

```

```

[2025-08-29 09:59:49] [info] =====
[2025-08-29 09:59:49] [info]           Design Rule Check Report
[2025-08-29 09:59:49] [info] =====

[2025-08-29 09:59:49] [info] Report Generated:    2025-08-29
[2025-08-29 09:59:49] [info] Run Start Time:      09:59:49 AM
[2025-08-29 09:59:49] [info] Run End Time:        09:59:49 AM
[2025-08-29 09:59:49] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:59:49] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:59:49] [info] Host Name:           kuro-Workstation
[2025-08-29 09:59:49] [info] User Name:           kuro
[2025-08-29 09:59:49] [info] Cores Used:          1
[2025-08-29 09:59:49] [info] Memory Utilized:     31.93 MB / 62.569698333740234 GB

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Top Cell Information
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Layout Top Cell:     gcd
[2025-08-29 09:59:49] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 09:59:49] [info] Database Format:       GDSII
[2025-08-29 09:59:49] [info] Verification Mode:    Full Check

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Type of Errors | Count
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] DB_WARN -> 1
[2025-08-29 09:59:49] [info] DB_WARN003 -> 34
[2025-08-29 09:59:49] [info] DRC_ERR3 -> 2
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Rule Violation Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 09:59:49] [info] |-----|-----|-----|
[2025-08-29 09:59:49] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 09:59:49] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 09:59:49] [info] |-----|-----|-----|
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Performance Metrics
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Stage          | Time Taken |
[2025-08-29 09:59:49] [info] |-----|-----|
[2025-08-29 09:59:49] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Rule Checking  | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Report Generation | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] |-----|-----|

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Total Errors:    2
[2025-08-29 09:59:49] [info] Total Warnings:  35
[2025-08-29 09:59:49] [info] DRC Status:      FAILED

```

```

[2025-08-29 09:59:49] [info] =====
[2025-08-29 09:59:49] [info]           Design Rule Check Report
[2025-08-29 09:59:49] [info] =====

[2025-08-29 09:59:49] [info] Report Generated:    2025-08-29
[2025-08-29 09:59:49] [info] Run Start Time:      09:59:49 AM
[2025-08-29 09:59:49] [info] Run End Time:        09:59:49 AM
[2025-08-29 09:59:49] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:59:49] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:59:49] [info] Host Name:           kuro-Workstation
[2025-08-29 09:59:49] [info] User Name:           kuro
[2025-08-29 09:59:49] [info] Cores Used:          1
[2025-08-29 09:59:49] [info] Memory Utilized:     31.37 MB / 62.569698333740234 GB

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Top Cell Information
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Layout Top Cell:     gcd
[2025-08-29 09:59:49] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 09:59:49] [info] Database Format:       GDSII
[2025-08-29 09:59:49] [info] Verification Mode:    Full Check

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Type of Errors | Count
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] DB_WARN -> 1
[2025-08-29 09:59:49] [info] DB_WARN003 -> 26
[2025-08-29 09:59:49] [info] DRC_ERR3 -> 2
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Rule Violation Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:59:49] [info] |-----|-----|-----|
[2025-08-29 09:59:49] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 09:59:49] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Performance Metrics
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] | Stage | Time Taken |
[2025-08-29 09:59:49] [info] |-----|-----|
[2025-08-29 09:59:49] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 09:59:49] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info]           Summary
[2025-08-29 09:59:49] [info] -----
[2025-08-29 09:59:49] [info] Total Errors: 2
[2025-08-29 09:59:49] [info] Total Warnings: 27
[2025-08-29 09:59:49] [info] DRC Status: FAILED

```

```

[2025-08-29 10:00:55] [info] =====
[2025-08-29 10:00:55] [info]           Design Rule Check Report
[2025-08-29 10:00:55] [info] =====

[2025-08-29 10:00:55] [info] Report Generated:    2025-08-29
[2025-08-29 10:00:55] [info] Run Start Time:      10:00:41 AM
[2025-08-29 10:00:55] [info] Run End Time:        10:00:55 AM
[2025-08-29 10:00:55] [info] Time Taken:          0 minutes 16 seconds

[2025-08-29 10:00:55] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:00:55] [info] Host Name:           kuro-Workstation
[2025-08-29 10:00:55] [info] User Name:           kuro
[2025-08-29 10:00:55] [info] Cores Used:          1
[2025-08-29 10:00:55] [info] Memory Utilized:     1631.92 MB / 62.569698333740234 GB

[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info]           Top Cell Information
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:00:55] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:00:55] [info] Database Format:       GDSII
[2025-08-29 10:00:55] [info] Verification Mode:    Full Check

[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info]           Type of Errors | Count
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info] DB_WARN -> 1
[2025-08-29 10:00:55] [info] DB_WARN003 -> 85
[2025-08-29 10:00:55] [info] DRC_ERR9 -> 3
[2025-08-29 10:00:55] [info] DRC_ERR3 -> 38
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info]           Rule Violation Summary
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:00:55] [info] |-----|-----|-----|
[2025-08-29 10:00:55] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 19
[2025-08-29 10:00:55] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 19
[2025-08-29 10:00:55] [info] | metal4.1      | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2
[2025-08-29 10:00:55] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 1
[2025-08-29 10:00:55] [info] |-----|-----|-----|
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info]           Performance Metrics
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info] | Stage          | Time Taken |
[2025-08-29 10:00:55] [info] |-----|-----|
[2025-08-29 10:00:55] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:00:55] [info] | Rule Checking  | 0 minutes 13 seconds |
[2025-08-29 10:00:55] [info] | Report Generation | 0 minutes 0 seconds |
[2025-08-29 10:00:55] [info] |-----|-----|
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info]           Summary
[2025-08-29 10:00:55] [info] -----
[2025-08-29 10:00:55] [info] Total Errors:      41
[2025-08-29 10:00:55] [info] Total Warnings:    86
[2025-08-29 10:00:55] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:01:13] [info] =====
[2025-08-29 10:01:13] [info]           Design Rule Check Report
[2025-08-29 10:01:13] [info] =====

[2025-08-29 10:01:13] [info] Report Generated:    2025-08-29
[2025-08-29 10:01:13] [info] Run Start Time:      10:00:59 AM
[2025-08-29 10:01:13] [info] Run End Time:        10:01:13 AM
[2025-08-29 10:01:13] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 10:01:13] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:01:13] [info] Host Name:           kuro-Workstation
[2025-08-29 10:01:13] [info] User Name:           kuro
[2025-08-29 10:01:13] [info] Cores Used:          1
[2025-08-29 10:01:13] [info] Memory Utilized:     1659.03 MB / 62.569698333740234 GB

[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info]           Top Cell Information
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:01:13] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:01:13] [info] Database Format:       GDSII
[2025-08-29 10:01:13] [info] Verification Mode:    Full Check

[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info]           Type of Errors | Count
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info] DB_WARN -> 1
[2025-08-29 10:01:13] [info] DB_WARN003 -> 85
[2025-08-29 10:01:13] [info] DRC_ERR3 -> 44
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info]           Rule Violation Summary
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:01:13] [info] |-----|-----|-----|
[2025-08-29 10:01:13] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 22
[2025-08-29 10:01:13] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 22
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info]           Performance Metrics
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info] | Stage          | Time Taken |
[2025-08-29 10:01:13] [info] |-----|-----|
[2025-08-29 10:01:13] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:01:13] [info] | Rule Checking  | 0 minutes 13 seconds |
[2025-08-29 10:01:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info]           Summary
[2025-08-29 10:01:13] [info] -----
[2025-08-29 10:01:13] [info] Total Errors:    44
[2025-08-29 10:01:13] [info] Total Warnings:  86
[2025-08-29 10:01:13] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:01:30] [info] =====
[2025-08-29 10:01:30] [info]           Design Rule Check Report
[2025-08-29 10:01:30] [info] =====

[2025-08-29 10:01:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:01:30] [info] Run Start Time:      10:01:16 AM
[2025-08-29 10:01:30] [info] Run End Time:        10:01:30 AM
[2025-08-29 10:01:30] [info] Time Taken:          0 minutes 16 seconds

[2025-08-29 10:01:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:01:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:01:30] [info] User Name:           kuro
[2025-08-29 10:01:30] [info] Cores Used:          1
[2025-08-29 10:01:30] [info] Memory Utilized:     1521.40 MB / 62.569698333740234 GB

[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info]           Top Cell Information
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:01:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:01:30] [info] Database Format:       GDSII
[2025-08-29 10:01:30] [info] Verification Mode:    Full Check

[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info]           Type of Errors | Count
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info] DB_WARN -> 1
[2025-08-29 10:01:30] [info] DB_WARN003 -> 98
[2025-08-29 10:01:30] [info] DRC_ERR9 -> 2
[2025-08-29 10:01:30] [info] DRC_ERR3 -> 34
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info]           Rule Violation Summary
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:01:30] [info] |-----|-----|-----|
[2025-08-29 10:01:30] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 17
[2025-08-29 10:01:30] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 17
[2025-08-29 10:01:30] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 2
[2025-08-29 10:01:30] [info] |-----|-----|-----|
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info]           Performance Metrics
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info] | Stage          | Time Taken |
[2025-08-29 10:01:30] [info] |-----|-----|
[2025-08-29 10:01:30] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:01:30] [info] | Rule Checking  | 0 minutes 13 seconds |
[2025-08-29 10:01:30] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info]           Summary
[2025-08-29 10:01:30] [info] -----
[2025-08-29 10:01:30] [info] Total Errors:    36
[2025-08-29 10:01:30] [info] Total Warnings:  99
[2025-08-29 10:01:30] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:02:25] [info] =====
[2025-08-29 10:02:25] [info]           Design Rule Check Report
[2025-08-29 10:02:25] [info] =====

[2025-08-29 10:02:25] [info] Report Generated:    2025-08-29
[2025-08-29 10:02:25] [info] Run Start Time:      10:01:40 AM
[2025-08-29 10:02:25] [info] Run End Time:        10:02:25 AM
[2025-08-29 10:02:25] [info] Time Taken:          0 minutes 54 seconds

[2025-08-29 10:02:25] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:02:25] [info] Host Name:           kuro-Workstation
[2025-08-29 10:02:25] [info] User Name:           kuro
[2025-08-29 10:02:25] [info] Cores Used:          1
[2025-08-29 10:02:25] [info] Memory Utilized:     4777.16 MB / 62.569698333740234 GB

[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info]           Top Cell Information
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:02:25] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:02:25] [info] Database Format:       GDSII
[2025-08-29 10:02:25] [info] Verification Mode:    Full Check

[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info]           Type of Errors | Count
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info] DB_WARN -> 1
[2025-08-29 10:02:25] [info] DB_WARN003 -> 37
[2025-08-29 10:02:25] [info] DRC_ERR9 -> 3
[2025-08-29 10:02:25] [info] DRC_ERR3 -> 70
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info]           Rule Violation Summary
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:02:25] [info] |-----|-----|-----|
[2025-08-29 10:02:25] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 35          |
[2025-08-29 10:02:25] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 35          |
[2025-08-29 10:02:25] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 1           |
[2025-08-29 10:02:25] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 2           |
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info]           Performance Metrics
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info] | Stage          | Time Taken |
[2025-08-29 10:02:25] [info] |-----|-----|
[2025-08-29 10:02:25] [info] | GDS Parsing    | 0 minutes 9 seconds |
[2025-08-29 10:02:25] [info] | Rule Checking  | 0 minutes 43 seconds |
[2025-08-29 10:02:25] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info]           Summary
[2025-08-29 10:02:25] [info] -----
[2025-08-29 10:02:25] [info] Total Errors:      73
[2025-08-29 10:02:25] [info] Total Warnings:    38
[2025-08-29 10:02:25] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:03:21] [info] =====
[2025-08-29 10:03:21] [info]           Design Rule Check Report
[2025-08-29 10:03:21] [info] =====

[2025-08-29 10:03:21] [info] Report Generated:    2025-08-29
[2025-08-29 10:03:21] [info] Run Start Time:      10:02:36 AM
[2025-08-29 10:03:21] [info] Run End Time:        10:03:21 AM
[2025-08-29 10:03:21] [info] Time Taken:          0 minutes 55 seconds

[2025-08-29 10:03:21] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:03:21] [info] Host Name:           kuro-Workstation
[2025-08-29 10:03:21] [info] User Name:           kuro
[2025-08-29 10:03:21] [info] Cores Used:          1
[2025-08-29 10:03:21] [info] Memory Utilized:     4824.63 MB / 62.569698333740234 GB

[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info]           Top Cell Information
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:03:21] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:03:21] [info] Database Format:       GDSII
[2025-08-29 10:03:21] [info] Verification Mode:    Full Check

[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info]           Type of Errors | Count
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info] DB_WARN -> 1
[2025-08-29 10:03:21] [info] DB_WARN003 -> 39
[2025-08-29 10:03:21] [info] DRC_ERR9 -> 2
[2025-08-29 10:03:21] [info] DRC_ERR3 -> 82
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info]           Rule Violation Summary
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:03:21] [info] |-----|-----|-----|
[2025-08-29 10:03:21] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 41
[2025-08-29 10:03:21] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 41
[2025-08-29 10:03:21] [info] | metal4.1      | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 1
[2025-08-29 10:03:21] [info] | metal2.1      | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info]           Performance Metrics
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info] | Stage          | Time Taken |
[2025-08-29 10:03:21] [info] |-----|-----|
[2025-08-29 10:03:21] [info] | GDS Parsing    | 0 minutes 10 seconds |
[2025-08-29 10:03:21] [info] | Rule Checking  | 0 minutes 44 seconds |
[2025-08-29 10:03:21] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info]           Summary
[2025-08-29 10:03:21] [info] -----
[2025-08-29 10:03:21] [info] Total Errors:      84
[2025-08-29 10:03:21] [info] Total Warnings:    40
[2025-08-29 10:03:21] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:04:16] [info] =====
[2025-08-29 10:04:16] [info]           Design Rule Check Report
[2025-08-29 10:04:16] [info] =====

[2025-08-29 10:04:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:16] [info] Run Start Time:      10:03:32 AM
[2025-08-29 10:04:16] [info] Run End Time:        10:04:16 AM
[2025-08-29 10:04:16] [info] Time Taken:          0 minutes 54 seconds

[2025-08-29 10:04:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:16] [info] User Name:           kuro
[2025-08-29 10:04:16] [info] Cores Used:          1
[2025-08-29 10:04:16] [info] Memory Utilized:     4744.36 MB / 62.569698333740234 GB

[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info]           Top Cell Information
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:04:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:16] [info] Database Format:       GDSII
[2025-08-29 10:04:16] [info] Verification Mode:    Full Check

[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info]           Type of Errors | Count
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] DB_WARN -> 1
[2025-08-29 10:04:16] [info] DB_WARN003 -> 34
[2025-08-29 10:04:16] [info] DRC_ERR3 -> 64
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info]           Rule Violation Summary
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:04:16] [info] |-----|-----|-----|
[2025-08-29 10:04:16] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 32
[2025-08-29 10:04:16] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 32
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info]           Performance Metrics
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] | Stage | Time Taken |
[2025-08-29 10:04:16] [info] |-----|-----|
[2025-08-29 10:04:16] [info] | GDS Parsing | 0 minutes 9 seconds |
[2025-08-29 10:04:16] [info] | Rule Checking | 0 minutes 43 seconds |
[2025-08-29 10:04:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info]           Summary
[2025-08-29 10:04:16] [info] -----
[2025-08-29 10:04:16] [info] Total Errors:    64
[2025-08-29 10:04:16] [info] Total Warnings:  35
[2025-08-29 10:04:16] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:04:24] [info] =====
[2025-08-29 10:04:24] [info]           Design Rule Check Report
[2025-08-29 10:04:24] [info] =====

[2025-08-29 10:04:24] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:24] [info] Run Start Time:      10:04:21 AM
[2025-08-29 10:04:24] [info] Run End Time:        10:04:24 AM
[2025-08-29 10:04:24] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:04:24] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:24] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:24] [info] User Name:           kuro
[2025-08-29 10:04:24] [info] Cores Used:          4
[2025-08-29 10:04:24] [info] Memory Utilized:     2518.07 MB / 62.569698333740234 GB

[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info]           Top Cell Information
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:04:24] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:24] [info] Database Format:       GDSII
[2025-08-29 10:04:24] [info] Verification Mode:    Full Check

[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info]           Type of Errors | Count
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info] DB_WARN -> 1
[2025-08-29 10:04:24] [info] DB_WARN003 -> 221
[2025-08-29 10:04:24] [info] DRC_ERR9 -> 7
[2025-08-29 10:04:24] [info] DRC_ERR3 -> 68
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info]           Rule Violation Summary
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:04:24] [info] |-----|-----|-----|
[2025-08-29 10:04:24] [info] | active.1      | "active.1 : minimum width of active : 90nm" | 3           |
[2025-08-29 10:04:24] [info] | metal7.1      | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:04:24] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 34          |
[2025-08-29 10:04:24] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 34          |
[2025-08-29 10:04:24] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 3           |
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info]           Performance Metrics
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info] | Stage          | Time Taken |
[2025-08-29 10:04:24] [info] |-----|-----|
[2025-08-29 10:04:24] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:04:24] [info] | Rule Checking  | 0 minutes 3 seconds |
[2025-08-29 10:04:24] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info]           Summary
[2025-08-29 10:04:24] [info] -----
[2025-08-29 10:04:24] [info] Total Errors:      75
[2025-08-29 10:04:24] [info] Total Warnings:    222
[2025-08-29 10:04:24] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:04:32] [info] =====
[2025-08-29 10:04:32] [info]           Design Rule Check Report
[2025-08-29 10:04:32] [info] =====

[2025-08-29 10:04:32] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:32] [info] Run Start Time:      10:04:28 AM
[2025-08-29 10:04:32] [info] Run End Time:        10:04:32 AM
[2025-08-29 10:04:32] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:04:32] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:32] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:32] [info] User Name:           kuro
[2025-08-29 10:04:32] [info] Cores Used:          4
[2025-08-29 10:04:32] [info] Memory Utilized:     2568.03 MB / 62.569698333740234 GB

[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info]           Top Cell Information
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:04:32] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:32] [info] Database Format:       GDSII
[2025-08-29 10:04:32] [info] Verification Mode:    Full Check

[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info]           Type of Errors | Count
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info] DB_WARN -> 1
[2025-08-29 10:04:32] [info] DB_WARN003 -> 219
[2025-08-29 10:04:32] [info] DRC_ERR9 -> 9
[2025-08-29 10:04:32] [info] DRC_ERR3 -> 84
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info]           Rule Violation Summary
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:04:32] [info] |-----|-----|-----|
[2025-08-29 10:04:32] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 6           |
[2025-08-29 10:04:32] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 42          |
[2025-08-29 10:04:32] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 42          |
[2025-08-29 10:04:32] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 3           |
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info]           Performance Metrics
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info] | Stage          | Time Taken |
[2025-08-29 10:04:32] [info] |-----|-----|
[2025-08-29 10:04:32] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:04:32] [info] | Rule Checking  | 0 minutes 3 seconds |
[2025-08-29 10:04:32] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info]           Summary
[2025-08-29 10:04:32] [info] -----
[2025-08-29 10:04:32] [info] Total Errors:      93
[2025-08-29 10:04:32] [info] Total Warnings:    220
[2025-08-29 10:04:32] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:04:39] [info] =====
[2025-08-29 10:04:39] [info]                Design Rule Check Report
[2025-08-29 10:04:39] [info] =====

[2025-08-29 10:04:39] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:39] [info] Run Start Time:      10:04:35 AM
[2025-08-29 10:04:39] [info] Run End Time:        10:04:39 AM
[2025-08-29 10:04:39] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:04:39] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:39] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:39] [info] User Name:           kuro
[2025-08-29 10:04:39] [info] Cores Used:          4
[2025-08-29 10:04:39] [info] Memory Utilized:     2513.58 MB / 62.569698333740234 GB

[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info]                Top Cell Information
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:04:39] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:39] [info] Database Format:       GDSII
[2025-08-29 10:04:39] [info] Verification Mode:    Full Check

[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info]                Type of Errors | Count
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info] DB_WARN -> 1
[2025-08-29 10:04:39] [info] DB_WARN003 -> 221
[2025-08-29 10:04:39] [info] DRC_ERR9 -> 9
[2025-08-29 10:04:39] [info] DRC_ERR3 -> 64
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info]                Rule Violation Summary
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:04:39] [info] |-----|-----|-----|
[2025-08-29 10:04:39] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:04:39] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 32          |
[2025-08-29 10:04:39] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 32          |
[2025-08-29 10:04:39] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:04:39] [info] | metal5.1     | "metal5.1 : minimum width of semi-global metal5 : 140nm" | 1           |
[2025-08-29 10:04:39] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:04:39] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 4           |
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info]                Performance Metrics
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info] | Stage          | Time Taken |
[2025-08-29 10:04:39] [info] |-----|-----|
[2025-08-29 10:04:39] [info] | GDS Parsing    | 0 minutes 2 seconds |
[2025-08-29 10:04:39] [info] | Rule Checking  | 0 minutes 3 seconds |
[2025-08-29 10:04:39] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info]                Summary
[2025-08-29 10:04:39] [info] -----
[2025-08-29 10:04:39] [info] Total Errors:      73
[2025-08-29 10:04:39] [info] Total Warnings:    222
[2025-08-29 10:04:39] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:04:17] [info] =====
[2025-08-29 10:04:17] [info]           Design Rule Check Report
[2025-08-29 10:04:17] [info] =====

[2025-08-29 10:04:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:17] [info] Run Start Time:      10:04:17 AM
[2025-08-29 10:04:17] [info] Run End Time:        10:04:17 AM
[2025-08-29 10:04:17] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:04:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:17] [info] User Name:           kuro
[2025-08-29 10:04:17] [info] Cores Used:          4
[2025-08-29 10:04:17] [info] Memory Utilized:     56.24 MB / 62.569698333740234 GB

[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info]           Top Cell Information
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info] Layout Top Cell:     gcd
[2025-08-29 10:04:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:17] [info] Database Format:       GDSII
[2025-08-29 10:04:17] [info] Verification Mode:    Full Check

[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info]           Type of Errors | Count
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info] DB_WARN -> 1
[2025-08-29 10:04:17] [info] DB_WARN003 -> 24
[2025-08-29 10:04:17] [info] DRC_ERR3 -> 2
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info]           Rule Violation Summary
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:04:17] [info] |-----|-----|-----|
[2025-08-29 10:04:17] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 10:04:17] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info]           Performance Metrics
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info] | Stage | Time Taken |
[2025-08-29 10:04:17] [info] |-----|-----|
[2025-08-29 10:04:17] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:04:17] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:04:17] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info]           Summary
[2025-08-29 10:04:17] [info] -----
[2025-08-29 10:04:17] [info] Total Errors:    2
[2025-08-29 10:04:17] [info] Total Warnings:  25
[2025-08-29 10:04:17] [info] DRC Status:      FAILED

```



```

[2025-08-29 10:04:18] [info] =====
[2025-08-29 10:04:18] [info]           Design Rule Check Report
[2025-08-29 10:04:18] [info] =====

[2025-08-29 10:04:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:18] [info] Run Start Time:      10:04:17 AM
[2025-08-29 10:04:18] [info] Run End Time:        10:04:18 AM
[2025-08-29 10:04:18] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:04:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:18] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:18] [info] User Name:           kuro
[2025-08-29 10:04:18] [info] Cores Used:          4
[2025-08-29 10:04:18] [info] Memory Utilized:     57.65 MB / 62.569698333740234 GB

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Top Cell Information
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] Layout Top Cell:     gcd
[2025-08-29 10:04:18] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:18] [info] Database Format:       GDSII
[2025-08-29 10:04:18] [info] Verification Mode:    Full Check

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Type of Errors | Count
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] DB_WARN -> 1
[2025-08-29 10:04:18] [info] DB_WARN003 -> 34
[2025-08-29 10:04:18] [info] DRC_ERR3 -> 4
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Rule Violation Summary
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:04:18] [info] |-----|-----|-----|
[2025-08-29 10:04:18] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:04:18] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Performance Metrics
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] | Stage | Time Taken |
[2025-08-29 10:04:18] [info] |-----|-----|
[2025-08-29 10:04:18] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:04:18] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:04:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Summary
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] Total Errors:    4
[2025-08-29 10:04:18] [info] Total Warnings:  35
[2025-08-29 10:04:18] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:04:18] [info] =====
[2025-08-29 10:04:18] [info]           Design Rule Check Report
[2025-08-29 10:04:18] [info] =====

[2025-08-29 10:04:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:18] [info] Run Start Time:      10:04:18 AM
[2025-08-29 10:04:18] [info] Run End Time:        10:04:18 AM
[2025-08-29 10:04:18] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:04:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:18] [info] Host Name:            kuro-Workstation
[2025-08-29 10:04:18] [info] User Name:            kuro
[2025-08-29 10:04:18] [info] Cores Used:           4
[2025-08-29 10:04:18] [info] Memory Utilized:      55.77 MB / 62.569698333740234 GB

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Top Cell Information
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] Layout Top Cell:      gcd
[2025-08-29 10:04:18] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:04:18] [info] Database Format:        GDSII
[2025-08-29 10:04:18] [info] Verification Mode:     Full Check

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Type of Errors | Count
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] DB_WARN -> 1
[2025-08-29 10:04:18] [info] DB_WARN003 -> 26
[2025-08-29 10:04:18] [info] DRC_ERR3 -> 4
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Rule Violation Summary
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:04:18] [info] |-----|-----|-----|
[2025-08-29 10:04:18] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:04:18] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Performance Metrics
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] | Stage | Time Taken |
[2025-08-29 10:04:18] [info] |-----|-----|
[2025-08-29 10:04:18] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:04:18] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:04:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info]           Summary
[2025-08-29 10:04:18] [info] -----
[2025-08-29 10:04:18] [info] Total Errors:    4
[2025-08-29 10:04:18] [info] Total Warnings:  27
[2025-08-29 10:04:18] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:04:47] [info] =====
[2025-08-29 10:04:47] [info]           Design Rule Check Report
[2025-08-29 10:04:47] [info] =====

[2025-08-29 10:04:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:47] [info] Run Start Time:      10:04:42 AM
[2025-08-29 10:04:47] [info] Run End Time:        10:04:47 AM
[2025-08-29 10:04:47] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:04:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:47] [info] User Name:           kuro
[2025-08-29 10:04:47] [info] Cores Used:          4
[2025-08-29 10:04:47] [info] Memory Utilized:     2718.16 MB / 62.569698333740234 GB

[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info]           Top Cell Information
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:04:47] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:47] [info] Database Format:       GDSII
[2025-08-29 10:04:47] [info] Verification Mode:    Full Check

[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info]           Type of Errors | Count
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info] DB_WARN -> 1
[2025-08-29 10:04:47] [info] DB_WARN003 -> 85
[2025-08-29 10:04:47] [info] DRC_ERR3 -> 76
[2025-08-29 10:04:47] [info] DRC_ERR9 -> 3
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info]           Rule Violation Summary
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:04:47] [info] |-----|-----|-----|
[2025-08-29 10:04:47] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 1           |
[2025-08-29 10:04:47] [info] | metal4.1      | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:04:47] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 38          |
[2025-08-29 10:04:47] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 38          |
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info]           Performance Metrics
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info] | Stage          | Time Taken |
[2025-08-29 10:04:47] [info] |-----|-----|
[2025-08-29 10:04:47] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:04:47] [info] | Rule Checking  | 0 minutes 4 seconds |
[2025-08-29 10:04:47] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info]           Summary
[2025-08-29 10:04:47] [info] -----
[2025-08-29 10:04:47] [info] Total Errors:      79
[2025-08-29 10:04:47] [info] Total Warnings:    86
[2025-08-29 10:04:47] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:04:56] [info] =====
[2025-08-29 10:04:56] [info]           Design Rule Check Report
[2025-08-29 10:04:56] [info] =====

[2025-08-29 10:04:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:04:56] [info] Run Start Time:      10:04:51 AM
[2025-08-29 10:04:56] [info] Run End Time:        10:04:56 AM
[2025-08-29 10:04:56] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:04:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:04:56] [info] Host Name:           kuro-Workstation
[2025-08-29 10:04:56] [info] User Name:           kuro
[2025-08-29 10:04:56] [info] Cores Used:          4
[2025-08-29 10:04:56] [info] Memory Utilized:     2734.53 MB / 62.569698333740234 GB

[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info]           Top Cell Information
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:04:56] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:04:56] [info] Database Format:       GDSII
[2025-08-29 10:04:56] [info] Verification Mode:    Full Check

[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info]           Type of Errors | Count
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] DB_WARN -> 1
[2025-08-29 10:04:56] [info] DB_WARN003 -> 85
[2025-08-29 10:04:56] [info] DRC_ERR3 -> 88
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info]           Rule Violation Summary
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:04:56] [info] |-----|-----|-----|
[2025-08-29 10:04:56] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 44
[2025-08-29 10:04:56] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 44
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info]           Performance Metrics
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] | Stage | Time Taken |
[2025-08-29 10:04:56] [info] |-----|-----|
[2025-08-29 10:04:56] [info] | GDS Parsing | 0 minutes 3 seconds |
[2025-08-29 10:04:56] [info] | Rule Checking | 0 minutes 4 seconds |
[2025-08-29 10:04:56] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info]           Summary
[2025-08-29 10:04:56] [info] -----
[2025-08-29 10:04:56] [info] Total Errors:    88
[2025-08-29 10:04:56] [info] Total Warnings:  86
[2025-08-29 10:04:56] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:05:05] [info] =====
[2025-08-29 10:05:05] [info]           Design Rule Check Report
[2025-08-29 10:05:05] [info] =====

[2025-08-29 10:05:05] [info] Report Generated:    2025-08-29
[2025-08-29 10:05:05] [info] Run Start Time:      10:04:59 AM
[2025-08-29 10:05:05] [info] Run End Time:        10:05:05 AM
[2025-08-29 10:05:05] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:05:05] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:05:05] [info] Host Name:           kuro-Workstation
[2025-08-29 10:05:05] [info] User Name:           kuro
[2025-08-29 10:05:05] [info] Cores Used:          4
[2025-08-29 10:05:05] [info] Memory Utilized:     2696.76 MB / 62.569698333740234 GB

[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info]           Top Cell Information
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:05:05] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:05:05] [info] Database Format:       GDSII
[2025-08-29 10:05:05] [info] Verification Mode:    Full Check

[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info]           Type of Errors | Count
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info] DB_WARN -> 1
[2025-08-29 10:05:05] [info] DB_WARN003 -> 98
[2025-08-29 10:05:05] [info] DRC_ERR9 -> 9
[2025-08-29 10:05:05] [info] DRC_ERR3 -> 68
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info]           Rule Violation Summary
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:05:05] [info] |-----|-----|-----|
[2025-08-29 10:05:05] [info] | active.1      | "active.1 : minimum width of active : 90nm" | 7           |
[2025-08-29 10:05:05] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 34          |
[2025-08-29 10:05:05] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 34          |
[2025-08-29 10:05:05] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 2           |
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info]           Performance Metrics
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info] | Stage          | Time Taken |
[2025-08-29 10:05:05] [info] |-----|-----|
[2025-08-29 10:05:05] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:05:05] [info] | Rule Checking  | 0 minutes 5 seconds |
[2025-08-29 10:05:05] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info]           Summary
[2025-08-29 10:05:05] [info] -----
[2025-08-29 10:05:05] [info] Total Errors:      77
[2025-08-29 10:05:05] [info] Total Warnings:    99
[2025-08-29 10:05:05] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:05:29] [info] =====
[2025-08-29 10:05:29] [info]           Design Rule Check Report
[2025-08-29 10:05:29] [info] =====

[2025-08-29 10:05:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:05:29] [info] Run Start Time:      10:05:16 AM
[2025-08-29 10:05:29] [info] Run End Time:        10:05:29 AM
[2025-08-29 10:05:29] [info] Time Taken:          0 minutes 23 seconds

[2025-08-29 10:05:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:05:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:05:29] [info] User Name:           kuro
[2025-08-29 10:05:29] [info] Cores Used:          4
[2025-08-29 10:05:29] [info] Memory Utilized:     8603.74 MB / 62.569698333740234 GB

[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info]           Top Cell Information
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:05:29] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:05:29] [info] Database Format:       GDSII
[2025-08-29 10:05:29] [info] Verification Mode:    Full Check

[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info]           Type of Errors | Count
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info] DB_WARN -> 1
[2025-08-29 10:05:29] [info] DB_WARN003 -> 37
[2025-08-29 10:05:29] [info] DRC_ERR9 -> 3
[2025-08-29 10:05:29] [info] DRC_ERR3 -> 140
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info]           Rule Violation Summary
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:05:29] [info] |-----|-----|-----|
[2025-08-29 10:05:29] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 1           |
[2025-08-29 10:05:29] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 70          |
[2025-08-29 10:05:29] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 70          |
[2025-08-29 10:05:29] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 2           |
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info]           Performance Metrics
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info] | Stage          | Time Taken |
[2025-08-29 10:05:29] [info] |-----|-----|
[2025-08-29 10:05:29] [info] | GDS Parsing    | 0 minutes 10 seconds |
[2025-08-29 10:05:29] [info] | Rule Checking  | 0 minutes 11 seconds |
[2025-08-29 10:05:29] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info]           Summary
[2025-08-29 10:05:29] [info] -----
[2025-08-29 10:05:29] [info] Total Errors:      143
[2025-08-29 10:05:29] [info] Total Warnings:    38
[2025-08-29 10:05:29] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:05:54] [info] =====
[2025-08-29 10:05:54] [info]           Design Rule Check Report
[2025-08-29 10:05:54] [info] =====

[2025-08-29 10:05:54] [info] Report Generated:    2025-08-29
[2025-08-29 10:05:54] [info] Run Start Time:      10:05:41 AM
[2025-08-29 10:05:54] [info] Run End Time:        10:05:54 AM
[2025-08-29 10:05:54] [info] Time Taken:          0 minutes 24 seconds

[2025-08-29 10:05:54] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:05:54] [info] Host Name:           kuro-Workstation
[2025-08-29 10:05:54] [info] User Name:           kuro
[2025-08-29 10:05:54] [info] Cores Used:          4
[2025-08-29 10:05:54] [info] Memory Utilized:     8888.01 MB / 62.569698333740234 GB

[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info]           Top Cell Information
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:05:54] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:05:54] [info] Database Format:       GDSII
[2025-08-29 10:05:54] [info] Verification Mode:    Full Check

[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info]           Type of Errors | Count
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info] DB_WARN -> 1
[2025-08-29 10:05:54] [info] DB_WARN003 -> 39
[2025-08-29 10:05:54] [info] DRC_ERR3 -> 164
[2025-08-29 10:05:54] [info] DRC_ERR9 -> 2
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info]           Rule Violation Summary
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:05:54] [info] |-----|-----|-----|
[2025-08-29 10:05:54] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:05:54] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 1           |
[2025-08-29 10:05:54] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 82          |
[2025-08-29 10:05:54] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 82          |
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info]           Performance Metrics
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info] | Stage          | Time Taken |
[2025-08-29 10:05:54] [info] |-----|-----|
[2025-08-29 10:05:54] [info] | GDS Parsing    | 0 minutes 11 seconds |
[2025-08-29 10:05:54] [info] | Rule Checking  | 0 minutes 11 seconds |
[2025-08-29 10:05:54] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info]           Summary
[2025-08-29 10:05:54] [info] -----
[2025-08-29 10:05:54] [info] Total Errors:    166
[2025-08-29 10:05:54] [info] Total Warnings:  40
[2025-08-29 10:05:54] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:06:19] [info] =====
[2025-08-29 10:06:19] [info]           Design Rule Check Report
[2025-08-29 10:06:19] [info] =====

[2025-08-29 10:06:19] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:19] [info] Run Start Time:      10:06:06 AM
[2025-08-29 10:06:19] [info] Run End Time:        10:06:19 AM
[2025-08-29 10:06:19] [info] Time Taken:          0 minutes 23 seconds

[2025-08-29 10:06:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:19] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:19] [info] User Name:           kuro
[2025-08-29 10:06:19] [info] Cores Used:          4
[2025-08-29 10:06:19] [info] Memory Utilized:     8568.69 MB / 62.569698333740234 GB

[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info]           Top Cell Information
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:06:19] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:19] [info] Database Format:       GDSII
[2025-08-29 10:06:19] [info] Verification Mode:    Full Check

[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info]           Type of Errors | Count
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] DB_WARN -> 1
[2025-08-29 10:06:19] [info] DB_WARN003 -> 34
[2025-08-29 10:06:19] [info] DRC_ERR3 -> 128
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info]           Rule Violation Summary
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:06:19] [info] |-----|-----|-----|
[2025-08-29 10:06:19] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 64
[2025-08-29 10:06:19] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 64
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info]           Performance Metrics
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] | Stage | Time Taken |
[2025-08-29 10:06:19] [info] |-----|-----|
[2025-08-29 10:06:19] [info] | GDS Parsing | 0 minutes 10 seconds |
[2025-08-29 10:06:19] [info] | Rule Checking | 0 minutes 11 seconds |
[2025-08-29 10:06:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info]           Summary
[2025-08-29 10:06:19] [info] -----
[2025-08-29 10:06:19] [info] Total Errors:    128
[2025-08-29 10:06:19] [info] Total Warnings:  35
[2025-08-29 10:06:19] [info] DRC Status:      FAILED

```



```

[2025-08-29 10:06:26] [info] =====
[2025-08-29 10:06:26] [info]           Design Rule Check Report
[2025-08-29 10:06:26] [info] =====

[2025-08-29 10:06:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:26] [info] Run Start Time:      10:06:23 AM
[2025-08-29 10:06:26] [info] Run End Time:        10:06:26 AM
[2025-08-29 10:06:26] [info] Time Taken:          0 minutes 5 seconds

[2025-08-29 10:06:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:26] [info] User Name:           kuro
[2025-08-29 10:06:26] [info] Cores Used:          8
[2025-08-29 10:06:26] [info] Memory Utilized:     3878.48 MB / 62.569698333740234 GB

[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info]           Top Cell Information
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:06:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:26] [info] Database Format:       GDSII
[2025-08-29 10:06:26] [info] Verification Mode:    Full Check

[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info]           Type of Errors | Count
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info] DB_WARN -> 1
[2025-08-29 10:06:26] [info] DB_WARN003 -> 221
[2025-08-29 10:06:26] [info] DRC_ERR9 -> 7
[2025-08-29 10:06:26] [info] DRC_ERR3 -> 136
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info]           Rule Violation Summary
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:26] [info] |-----|-----|-----|
[2025-08-29 10:06:26] [info] | active.1     | "active.1 : minimum width of active : 90nm" | 3           |
[2025-08-29 10:06:26] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:06:26] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 68          |
[2025-08-29 10:06:26] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 68          |
[2025-08-29 10:06:26] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 3           |
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info]           Performance Metrics
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info] | Stage          | Time Taken |
[2025-08-29 10:06:26] [info] |-----|-----|
[2025-08-29 10:06:26] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:06:26] [info] | Rule Checking  | 0 minutes 2 seconds |
[2025-08-29 10:06:26] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info]           Summary
[2025-08-29 10:06:26] [info] -----
[2025-08-29 10:06:26] [info] Total Errors:      143
[2025-08-29 10:06:26] [info] Total Warnings:    222
[2025-08-29 10:06:26] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:06:33] [info] =====
[2025-08-29 10:06:33] [info]           Design Rule Check Report
[2025-08-29 10:06:33] [info] =====

[2025-08-29 10:06:33] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:33] [info] Run Start Time:      10:06:30 AM
[2025-08-29 10:06:33] [info] Run End Time:        10:06:33 AM
[2025-08-29 10:06:33] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:06:33] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:33] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:33] [info] User Name:           kuro
[2025-08-29 10:06:33] [info] Cores Used:          8
[2025-08-29 10:06:33] [info] Memory Utilized:     3908.51 MB / 62.569698333740234 GB

[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info]           Top Cell Information
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:06:33] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:33] [info] Database Format:       GDSII
[2025-08-29 10:06:33] [info] Verification Mode:    Full Check

[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info]           Type of Errors | Count
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info] DB_WARN -> 1
[2025-08-29 10:06:33] [info] DB_WARN003 -> 219
[2025-08-29 10:06:33] [info] DRC_ERR9 -> 9
[2025-08-29 10:06:33] [info] DRC_ERR3 -> 168
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info]           Rule Violation Summary
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:33] [info] |-----|-----|-----|
[2025-08-29 10:06:33] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 6           |
[2025-08-29 10:06:33] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 84          |
[2025-08-29 10:06:33] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 84          |
[2025-08-29 10:06:33] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 3           |
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info]           Performance Metrics
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info] | Stage                | Time Taken |
[2025-08-29 10:06:33] [info] |-----|-----|
[2025-08-29 10:06:33] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-08-29 10:06:33] [info] | Rule Checking        | 0 minutes 2 seconds |
[2025-08-29 10:06:33] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info]           Summary
[2025-08-29 10:06:33] [info] -----
[2025-08-29 10:06:33] [info] Total Errors:    177
[2025-08-29 10:06:33] [info] Total Warnings:  220
[2025-08-29 10:06:33] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:06:39] [info] =====
[2025-08-29 10:06:39] [info]           Design Rule Check Report
[2025-08-29 10:06:39] [info] =====

[2025-08-29 10:06:39] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:39] [info] Run Start Time:      10:06:37 AM
[2025-08-29 10:06:39] [info] Run End Time:        10:06:39 AM
[2025-08-29 10:06:39] [info] Time Taken:          0 minutes 5 seconds

[2025-08-29 10:06:39] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:39] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:39] [info] User Name:           kuro
[2025-08-29 10:06:39] [info] Cores Used:          8
[2025-08-29 10:06:39] [info] Memory Utilized:     3871.81 MB / 62.569698333740234 GB

[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info]           Top Cell Information
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:06:39] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:39] [info] Database Format:       GDSII
[2025-08-29 10:06:39] [info] Verification Mode:    Full Check

[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info]           Type of Errors | Count
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info] DB_WARN -> 1
[2025-08-29 10:06:39] [info] DB_WARN003 -> 221
[2025-08-29 10:06:39] [info] DRC_ERR9 -> 9
[2025-08-29 10:06:39] [info] DRC_ERR3 -> 128
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info]           Rule Violation Summary
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:39] [info] |-----|-----|-----|
[2025-08-29 10:06:39] [info] | metal2.1     | "metal2.1 : minimum width of intermediate metal2 : 70nm" | 1           |
[2025-08-29 10:06:39] [info] | metal7.1     | "metal7.1 : minimum width of thin global metal7 : 400nm" | 1           |
[2025-08-29 10:06:39] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 64          |
[2025-08-29 10:06:39] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 64          |
[2025-08-29 10:06:39] [info] | metal5.1     | "metal5.1 : minimum width of semi-global metal5 : 140nm" | 1           |
[2025-08-29 10:06:39] [info] | metal4.1     | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:06:39] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 4           |
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info]           Performance Metrics
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info] | Stage          | Time Taken |
[2025-08-29 10:06:39] [info] |-----|-----|
[2025-08-29 10:06:39] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:06:39] [info] | Rule Checking  | 0 minutes 2 seconds |
[2025-08-29 10:06:39] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info]           Summary
[2025-08-29 10:06:39] [info] -----
[2025-08-29 10:06:39] [info] Total Errors:    137
[2025-08-29 10:06:39] [info] Total Warnings:  222
[2025-08-29 10:06:39] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:06:20] [info] =====
[2025-08-29 10:06:20] [info]           Design Rule Check Report
[2025-08-29 10:06:20] [info] =====

[2025-08-29 10:06:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:20] [info] Run Start Time:      10:06:20 AM
[2025-08-29 10:06:20] [info] Run End Time:        10:06:20 AM
[2025-08-29 10:06:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:06:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:20] [info] User Name:           kuro
[2025-08-29 10:06:20] [info] Cores Used:          8
[2025-08-29 10:06:20] [info] Memory Utilized:     86.22 MB / 62.569698333740234 GB

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Top Cell Information
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Layout Top Cell:     gcd
[2025-08-29 10:06:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:20] [info] Database Format:       GDSII
[2025-08-29 10:06:20] [info] Verification Mode:    Full Check

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Type of Errors | Count
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] DB_WARN -> 1
[2025-08-29 10:06:20] [info] DB_WARN003 -> 24
[2025-08-29 10:06:20] [info] DRC_ERR3 -> 2
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Rule Violation Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:06:20] [info] |-----|-----|-----|
[2025-08-29 10:06:20] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 1
[2025-08-29 10:06:20] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 1
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Performance Metrics
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Stage | Time Taken |
[2025-08-29 10:06:20] [info] |-----|-----|
[2025-08-29 10:06:20] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Total Errors: 2
[2025-08-29 10:06:20] [info] Total Warnings: 25
[2025-08-29 10:06:20] [info] DRC Status: FAILED

```

```

[2025-08-29 10:06:20] [info] =====
[2025-08-29 10:06:20] [info]           Design Rule Check Report
[2025-08-29 10:06:20] [info] =====

[2025-08-29 10:06:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:20] [info] Run Start Time:      10:06:20 AM
[2025-08-29 10:06:20] [info] Run End Time:        10:06:20 AM
[2025-08-29 10:06:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:06:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:20] [info] User Name:           kuro
[2025-08-29 10:06:20] [info] Cores Used:          8
[2025-08-29 10:06:20] [info] Memory Utilized:     86.78 MB / 62.569698333740234 GB

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Top Cell Information
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Layout Top Cell:     gcd
[2025-08-29 10:06:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:20] [info] Database Format:       GDSII
[2025-08-29 10:06:20] [info] Verification Mode:    Full Check

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Type of Errors | Count
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] DB_WARN -> 1
[2025-08-29 10:06:20] [info] DB_WARN003 -> 34
[2025-08-29 10:06:20] [info] DRC_ERR3 -> 4
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Rule Violation Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:20] [info] |-----|-----|-----|
[2025-08-29 10:06:20] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:06:20] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Performance Metrics
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Stage          | Time Taken |
[2025-08-29 10:06:20] [info] |-----|-----|
[2025-08-29 10:06:20] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Rule Checking   | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Total Errors:    4
[2025-08-29 10:06:20] [info] Total Warnings:  35
[2025-08-29 10:06:20] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:06:20] [info] =====
[2025-08-29 10:06:20] [info]           Design Rule Check Report
[2025-08-29 10:06:20] [info] =====

[2025-08-29 10:06:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:20] [info] Run Start Time:      10:06:20 AM
[2025-08-29 10:06:20] [info] Run End Time:        10:06:20 AM
[2025-08-29 10:06:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:06:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:20] [info] User Name:           kuro
[2025-08-29 10:06:20] [info] Cores Used:          8
[2025-08-29 10:06:20] [info] Memory Utilized:     85.47 MB / 62.569698333740234 GB

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Top Cell Information
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Layout Top Cell:     gcd
[2025-08-29 10:06:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:20] [info] Database Format:      GDSII
[2025-08-29 10:06:20] [info] Verification Mode:    Full Check

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Type of Errors | Count
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] DB_WARN -> 1
[2025-08-29 10:06:20] [info] DB_WARN003 -> 26
[2025-08-29 10:06:20] [info] DRC_ERR3 -> 4
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Rule Violation Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:06:20] [info] |-----|-----|-----|
[2025-08-29 10:06:20] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 2
[2025-08-29 10:06:20] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 2
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Performance Metrics
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] | Stage | Time Taken |
[2025-08-29 10:06:20] [info] |-----|-----|
[2025-08-29 10:06:20] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:06:20] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info]           Summary
[2025-08-29 10:06:20] [info] -----
[2025-08-29 10:06:20] [info] Total Errors:    4
[2025-08-29 10:06:20] [info] Total Warnings:  27
[2025-08-29 10:06:20] [info] DRC Status:      FAILED

```

```

[2025-08-29 10:06:47] [info] =====
[2025-08-29 10:06:47] [info]           Design Rule Check Report
[2025-08-29 10:06:47] [info] =====

[2025-08-29 10:06:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:47] [info] Run Start Time:      10:06:43 AM
[2025-08-29 10:06:47] [info] Run End Time:        10:06:47 AM
[2025-08-29 10:06:47] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:06:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:47] [info] User Name:           kuro
[2025-08-29 10:06:47] [info] Cores Used:          8
[2025-08-29 10:06:47] [info] Memory Utilized:     4238.20 MB / 62.569698333740234 GB

[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info]           Top Cell Information
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:06:47] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:47] [info] Database Format:       GDSII
[2025-08-29 10:06:47] [info] Verification Mode:    Full Check

[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info]           Type of Errors | Count
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info] DB_WARN -> 1
[2025-08-29 10:06:47] [info] DB_WARN003 -> 85
[2025-08-29 10:06:47] [info] DRC_ERR3 -> 152
[2025-08-29 10:06:47] [info] DRC_ERR9 -> 3
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info]           Rule Violation Summary
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:47] [info] |-----|-----|-----|
[2025-08-29 10:06:47] [info] | metal3.1      | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 1           |
[2025-08-29 10:06:47] [info] | metal4.1      | "metal4.1 : minimum width of semi-global metal4 : 140nm" | 2           |
[2025-08-29 10:06:47] [info] | metal7.8      | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 76          |
[2025-08-29 10:06:47] [info] | metal7.7      | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 76          |
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info]           Performance Metrics
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info] | Stage          | Time Taken |
[2025-08-29 10:06:47] [info] |-----|-----|
[2025-08-29 10:06:47] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:06:47] [info] | Rule Checking  | 0 minutes 3 seconds |
[2025-08-29 10:06:47] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info]           Summary
[2025-08-29 10:06:47] [info] -----
[2025-08-29 10:06:47] [info] Total Errors:      155
[2025-08-29 10:06:47] [info] Total Warnings:    86
[2025-08-29 10:06:47] [info] DRC Status:        FAILED

```

```

[2025-08-29 10:06:56] [info] =====
[2025-08-29 10:06:56] [info]           Design Rule Check Report
[2025-08-29 10:06:56] [info] =====

[2025-08-29 10:06:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:06:56] [info] Run Start Time:      10:06:51 AM
[2025-08-29 10:06:56] [info] Run End Time:        10:06:56 AM
[2025-08-29 10:06:56] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:06:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:06:56] [info] Host Name:           kuro-Workstation
[2025-08-29 10:06:56] [info] User Name:           kuro
[2025-08-29 10:06:56] [info] Cores Used:          8
[2025-08-29 10:06:56] [info] Memory Utilized:     4333.90 MB / 62.569698333740234 GB

[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info]           Top Cell Information
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:06:56] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:06:56] [info] Database Format:       GDSII
[2025-08-29 10:06:56] [info] Verification Mode:    Full Check

[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info]           Type of Errors | Count
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info] DB_WARN -> 1
[2025-08-29 10:06:56] [info] DB_WARN003 -> 85
[2025-08-29 10:06:56] [info] DRC_ERR3 -> 176
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info]           Rule Violation Summary
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:06:56] [info] |-----|-----|-----|
[2025-08-29 10:06:56] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 88
[2025-08-29 10:06:56] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 88
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info]           Performance Metrics
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info] | Stage          | Time Taken |
[2025-08-29 10:06:56] [info] |-----|-----|
[2025-08-29 10:06:56] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:06:56] [info] | Rule Checking  | 0 minutes 4 seconds |
[2025-08-29 10:06:56] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info]           Summary
[2025-08-29 10:06:56] [info] -----
[2025-08-29 10:06:56] [info] Total Errors:    176
[2025-08-29 10:06:56] [info] Total Warnings:   86
[2025-08-29 10:06:56] [info] DRC Status:      FAILED

```



```

[2025-08-29 10:07:03] [info] =====
[2025-08-29 10:07:03] [info]           Design Rule Check Report
[2025-08-29 10:07:03] [info] =====

[2025-08-29 10:07:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:07:03] [info] Run Start Time:      10:07:00 AM
[2025-08-29 10:07:03] [info] Run End Time:        10:07:03 AM
[2025-08-29 10:07:03] [info] Time Taken:          0 minutes 6 seconds

[2025-08-29 10:07:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:07:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:07:03] [info] User Name:           kuro
[2025-08-29 10:07:03] [info] Cores Used:          8
[2025-08-29 10:07:03] [info] Memory Utilized:     4215.43 MB / 62.569698333740234 GB

[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info]           Top Cell Information
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:07:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:07:03] [info] Database Format:       GDSII
[2025-08-29 10:07:03] [info] Verification Mode:    Full Check

[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info]           Type of Errors | Count
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info] DB_WARN -> 1
[2025-08-29 10:07:03] [info] DB_WARN003 -> 98
[2025-08-29 10:07:03] [info] DRC_ERR9 -> 9
[2025-08-29 10:07:03] [info] DRC_ERR3 -> 136
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info]           Rule Violation Summary
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info] | Rule ID      | Description                                     | Error Count |
[2025-08-29 10:07:03] [info] |-----|-----|-----|
[2025-08-29 10:07:03] [info] | active.1     | "active.1 : minimum width of active : 90nm" | 7           |
[2025-08-29 10:07:03] [info] | metal7.8     | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 68          |
[2025-08-29 10:07:03] [info] | metal7.7     | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 68          |
[2025-08-29 10:07:03] [info] | metal3.1     | "metal3.1 : minimum width of intermediate metal3 : 70nm" | 2           |
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info]           Performance Metrics
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info] | Stage          | Time Taken |
[2025-08-29 10:07:03] [info] |-----|-----|
[2025-08-29 10:07:03] [info] | GDS Parsing    | 0 minutes 3 seconds |
[2025-08-29 10:07:03] [info] | Rule Checking  | 0 minutes 2 seconds |
[2025-08-29 10:07:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info]           Summary
[2025-08-29 10:07:03] [info] -----
[2025-08-29 10:07:03] [info] Total Errors:      145
[2025-08-29 10:07:03] [info] Total Warnings:    99
[2025-08-29 10:07:03] [info] DRC Status:        FAILED

```

[2025-08-29 10:07:26] [info] =====
[2025-08-29 10:07:26] [info] Design Rule Check Report
[2025-08-29 10:07:26] [info] =====

[2025-08-29 10:07:26] [info] Report Generated: 2025-08-29
[2025-08-29 10:07:26] [info] Run Start Time: 10:07:16 AM
[2025-08-29 10:07:26] [info] Run End Time: 10:07:26 AM
[2025-08-29 10:07:26] [info] Time Taken: 0 minutes 22 seconds

[2025-08-29 10:07:26] [info] Tool Version: LVR_2025.1
[2025-08-29 10:07:26] [info] Host Name: kuro-Workstation
[2025-08-29 10:07:26] [info] User Name: kuro
[2025-08-29 10:07:26] [info] Cores Used: 8
[2025-08-29 10:07:26] [info] Memory Utilized: 13786.43 MB / 62.569698333740234 GB

[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Top Cell Information
[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:07:26] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:07:26] [info] Database Format: GDSII
[2025-08-29 10:07:26] [info] Verification Mode: Full Check

[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Type of Errors | Count
[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] DB_WARN -> 1
[2025-08-29 10:07:26] [info] DB_WARN003 -> 37
[2025-08-29 10:07:26] [info] DRC_ERR3 -> 280
[2025-08-29 10:07:26] [info] DRC_ERR9 -> 3
[2025-08-29 10:07:26] [info] -----

[2025-08-29 10:07:26] [info] Rule Violation Summary
[2025-08-29 10:07:26] [info] -----

[2025-08-29 10:07:26] [info]	Rule ID	Description	Error Count
[2025-08-29 10:07:26] [info]	metal4.1	"metal4.1 : minimum width of semi-global metal4 : 140nm"	1
[2025-08-29 10:07:26] [info]	metal2.1	"metal2.1 : minimum width of intermediate metal2 : 70nm"	2
[2025-08-29 10:07:26] [info]	metal7.8	"metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm"	140
[2025-08-29 10:07:26] [info]	metal7.7	"metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm"	140

[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Performance Metrics

[2025-08-29 10:07:26] [info]	Stage	Time Taken
[2025-08-29 10:07:26] [info]	GDS Parsing	0 minutes 12 seconds
[2025-08-29 10:07:26] [info]	Rule Checking	0 minutes 8 seconds
[2025-08-29 10:07:26] [info]	Report Generation	0 minutes 0 seconds

[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Summary
[2025-08-29 10:07:26] [info] -----
[2025-08-29 10:07:26] [info] Total Errors: 283
[2025-08-29 10:07:26] [info] Total Warnings: 38
[2025-08-29 10:07:26] [info] DRC Status: FAILED

[2025-08-29 10:07:51] [info] =====
[2025-08-29 10:07:51] [info] Design Rule Check Report
[2025-08-29 10:07:51] [info] =====

[2025-08-29 10:07:51] [info] Report Generated: 2025-08-29
[2025-08-29 10:07:51] [info] Run Start Time: 10:07:40 AM
[2025-08-29 10:07:51] [info] Run End Time: 10:07:51 AM
[2025-08-29 10:07:51] [info] Time Taken: 0 minutes 23 seconds

[2025-08-29 10:07:51] [info] Tool Version: LVR_2025.1
[2025-08-29 10:07:51] [info] Host Name: kuro-Workstation
[2025-08-29 10:07:51] [info] User Name: kuro
[2025-08-29 10:07:51] [info] Cores Used: 8
[2025-08-29 10:07:51] [info] Memory Utilized: 13923.41 MB / 62.569698333740234 GB

[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Top Cell Information
[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:07:51] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:07:51] [info] Database Format: GDSII
[2025-08-29 10:07:51] [info] Verification Mode: Full Check

[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Type of Errors | Count
[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] DB_WARN -> 1
[2025-08-29 10:07:51] [info] DB_WARN003 -> 39
[2025-08-29 10:07:51] [info] DRC_ERR3 -> 328
[2025-08-29 10:07:51] [info] DRC_ERR9 -> 2
[2025-08-29 10:07:51] [info] -----

[2025-08-29 10:07:51] [info] Rule Violation Summary
[2025-08-29 10:07:51] [info] -----

[2025-08-29 10:07:51] [info]	Rule ID	Description	Error Count
[2025-08-29 10:07:51] [info]	metal2.1	"metal2.1 : minimum width of intermediate metal2 : 70nm"	1
[2025-08-29 10:07:51] [info]	metal4.1	"metal4.1 : minimum width of semi-global metal4 : 140nm"	1
[2025-08-29 10:07:51] [info]	metal7.8	"metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm"	164
[2025-08-29 10:07:51] [info]	metal7.7	"metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm"	164

[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Performance Metrics
[2025-08-29 10:07:51] [info] -----

[2025-08-29 10:07:51] [info]	Stage	Time Taken
[2025-08-29 10:07:51] [info]	GDS Parsing	0 minutes 12 seconds
[2025-08-29 10:07:51] [info]	Rule Checking	0 minutes 9 seconds
[2025-08-29 10:07:51] [info]	Report Generation	0 minutes 0 seconds

[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Summary
[2025-08-29 10:07:51] [info] -----
[2025-08-29 10:07:51] [info] Total Errors: 330
[2025-08-29 10:07:51] [info] Total Warnings: 40
[2025-08-29 10:07:51] [info] DRC Status: FAILED

```

[2025-08-29 10:08:15] [info] =====
[2025-08-29 10:08:15] [info]           Design Rule Check Report
[2025-08-29 10:08:15] [info] =====

[2025-08-29 10:08:15] [info] Report Generated:    2025-08-29
[2025-08-29 10:08:15] [info] Run Start Time:      10:08:05 AM
[2025-08-29 10:08:15] [info] Run End Time:        10:08:15 AM
[2025-08-29 10:08:15] [info] Time Taken:          0 minutes 22 seconds

[2025-08-29 10:08:15] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:08:15] [info] Host Name:           kuro-Workstation
[2025-08-29 10:08:15] [info] User Name:           kuro
[2025-08-29 10:08:15] [info] Cores Used:          8
[2025-08-29 10:08:15] [info] Memory Utilized:     13706.38 MB / 62.569698333740234 GB

[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info]           Top Cell Information
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:08:15] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:08:15] [info] Database Format:       GDSII
[2025-08-29 10:08:15] [info] Verification Mode:    Full Check

[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info]           Type of Errors | Count
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] DB_WARN -> 1
[2025-08-29 10:08:15] [info] DB_WARN003 -> 34
[2025-08-29 10:08:15] [info] DRC_ERR3 -> 256
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info]           Rule Violation Summary
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:08:15] [info] |-----|-----|-----|
[2025-08-29 10:08:15] [info] | metal7.8 | "metal7.8 : minimum spacing of thin global metal7 wider than 900 nm and longer than 2.7 um : 900nm" | 128
[2025-08-29 10:08:15] [info] | metal7.7 | "metal7.7 : minimum spacing of thin global metal7 wider than 500 nm and longer than 1.8 um : 500nm" | 128
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info]           Performance Metrics
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] | Stage | Time Taken |
[2025-08-29 10:08:15] [info] |-----|-----|
[2025-08-29 10:08:15] [info] | GDS Parsing | 0 minutes 12 seconds |
[2025-08-29 10:08:15] [info] | Rule Checking | 0 minutes 8 seconds |
[2025-08-29 10:08:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info]           Summary
[2025-08-29 10:08:15] [info] -----
[2025-08-29 10:08:15] [info] Total Errors:    256
[2025-08-29 10:08:15] [info] Total Warnings:    35
[2025-08-29 10:08:15] [info] DRC Status:       FAILED

```

```

[2025-09-06 06:50:15] [info] =====
[2025-09-06 06:50:15] [info]                Design Rule Check Report
[2025-09-06 06:50:15] [info] =====

[2025-09-06 06:50:15] [info] Report Generated:    2025-09-06
[2025-09-06 06:50:15] [info] Run Start Time:      06:50:08 AM
[2025-09-06 06:50:15] [info] Run End Time:        06:50:15 AM
[2025-09-06 06:50:15] [info] Time Taken:          0 minutes 10 seconds

[2025-09-06 06:50:15] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:50:15] [info] Host Name:           kuro-Workstation
[2025-09-06 06:50:15] [info] User Name:           kuro
[2025-09-06 06:50:15] [info] Cores Used:          16
[2025-09-06 06:50:15] [info] Memory Utilized:     3515.41 MB / 62.569705963134766 GB

[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info]                Top Cell Information
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 06:50:15] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:50:15] [info] Database Format:      GDSII
[2025-09-06 06:50:15] [info] Verification Mode:    Full Check

[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info]                Type of Errors | Count
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] DB_WARN -> 1
[2025-09-06 06:50:15] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:15] [info] DB_WARN002 -> 144
[2025-09-06 06:50:15] [info] DB_WARN003 -> 137
[2025-09-06 06:50:15] [info] DRC_ERR9 -> 783
[2025-09-06 06:50:15] [info] DRC_ERR2 -> 16
[2025-09-06 06:50:15] [info] DRC_ERR -> 262
[2025-09-06 06:50:15] [info] DRC_ERR5 -> 48
[2025-09-06 06:50:15] [info] DRC_ERR1 -> 16
[2025-09-06 06:50:15] [info] DRC_ERR4 -> 13

[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info]                Rule Violation Summary
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:50:15] [info] |-----|-----|-----|
[2025-09-06 06:50:15] [info] | m2.1         | "m2.1 : min. m2 width : 0.14um" | 1           |
[2025-09-06 06:50:15] [info] | li.1a        | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 3           |
[2025-09-06 06:50:15] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 761         |
[2025-09-06 06:50:15] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 16          |
[2025-09-06 06:50:15] [info] | m1.6         | "m1.6 : min. m1 area : 0.083um^2" | 11          |
[2025-09-06 06:50:15] [info] | m5.1         | "m5.1 : min. m5 width : 1.6um" | 14          |
[2025-09-06 06:50:15] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16          |
[2025-09-06 06:50:15] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 16          |
[2025-09-06 06:50:15] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16          |
[2025-09-06 06:50:15] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 16          |
[2025-09-06 06:50:15] [info] | poly.7       | "poly.7 : min. source/drain length : 0.25um" | 242         |
[2025-09-06 06:50:15] [info] | m3.6         | "m3.6 : min. m3 area : 0.24um^2" | 6           |
[2025-09-06 06:50:15] [info] | m3.1         | "m3.1 : min. m3 width : 0.3um" | 1           |
[2025-09-06 06:50:15] [info] | licon.5      | "licon.5 : min. diff enclosure of licon : 0.04um" | 13          |
[2025-09-06 06:50:15] [info] | li.1         | "li.1 : min. li width : 0.17um" | 3           |
[2025-09-06 06:50:15] [info] | m4.4         | "m4.4 : min. m4 area : 0.24um^2" | 3           |
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info]                Performance Metrics
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] | Stage          | Time Taken |

```

```
[2025-09-06 06:50:15] [info] |-----|-----|
[2025-09-06 06:50:15] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:50:15] [info] | Rule Checking         | 0 minutes 6 seconds |
[2025-09-06 06:50:15] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info]             Summary
[2025-09-06 06:50:15] [info] -----
[2025-09-06 06:50:15] [info] Total Errors:   1152
[2025-09-06 06:50:15] [info] Total Warnings:    282
[2025-09-06 06:50:15] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:50:29] [info] =====
[2025-09-06 06:50:29] [info] Design Rule Check Report
[2025-09-06 06:50:29] [info] =====

[2025-09-06 06:50:29] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:29] [info] Run Start Time: 06:50:21 AM
[2025-09-06 06:50:29] [info] Run End Time: 06:50:29 AM
[2025-09-06 06:50:29] [info] Time Taken: 0 minutes 13 seconds

[2025-09-06 06:50:29] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:29] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:29] [info] User Name: kuro
[2025-09-06 06:50:29] [info] Cores Used: 16
[2025-09-06 06:50:29] [info] Memory Utilized: 4205.87 MB / 62.569705963134766 GB

[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Top Cell Information
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 06:50:29] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:29] [info] Database Format: GDSII
[2025-09-06 06:50:29] [info] Verification Mode: Full Check

[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Type of Errors | Count
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] DB_WARN -> 1
[2025-09-06 06:50:29] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:29] [info] DB_WARN002 -> 141
[2025-09-06 06:50:29] [info] DB_WARN003 -> 135
[2025-09-06 06:50:29] [info] DRC_ERR9 -> 868
[2025-09-06 06:50:29] [info] DRC_ERR2 -> 16
[2025-09-06 06:50:29] [info] DRC_ERR -> 190
[2025-09-06 06:50:29] [info] DRC_ERR5 -> 53
[2025-09-06 06:50:29] [info] DRC_ERR1 -> 16
[2025-09-06 06:50:29] [info] DRC_ERR4 -> 10
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Rule Violation Summary
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:50:29] [info] |-----|-----|-----|
[2025-09-06 06:50:29] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 4 |
[2025-09-06 06:50:29] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 1 |
[2025-09-06 06:50:29] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 844 |
[2025-09-06 06:50:29] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 5 |
[2025-09-06 06:50:29] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 5 |
[2025-09-06 06:50:29] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 4 |
[2025-09-06 06:50:29] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 16 |
[2025-09-06 06:50:29] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 10 |
[2025-09-06 06:50:29] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 11 |
[2025-09-06 06:50:29] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 5 |
[2025-09-06 06:50:29] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16 |
[2025-09-06 06:50:29] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:29] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:29] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 16 |
[2025-09-06 06:50:29] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 170 |
[2025-09-06 06:50:29] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 6 |
[2025-09-06 06:50:29] [info] | psdm.1 | "psdm.1 : min. psdm width : 0.38um" | 2 |
[2025-09-06 06:50:29] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 1 |
[2025-09-06 06:50:29] [info] | li.1 | "li.1 : min. li width : 0.17um" | 5 |
[2025-09-06 06:50:29] [info]
[2025-09-06 06:50:29] [info] -----

```

```
[2025-09-06 06:50:29] [info] Performance Metrics
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] | Stage | Time Taken |
[2025-09-06 06:50:29] [info] |-----|-----|
[2025-09-06 06:50:29] [info] | GDS Parsing | 0 minutes 4 seconds |
[2025-09-06 06:50:29] [info] | Rule Checking | 0 minutes 8 seconds |
[2025-09-06 06:50:29] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Summary
[2025-09-06 06:50:29] [info] -----
[2025-09-06 06:50:29] [info] Total Errors: 1167
[2025-09-06 06:50:29] [info] Total Warnings: 277
[2025-09-06 06:50:29] [info] DRC Status: FAILED
```


[2025-09-06 06:50:40] [info] =====
[2025-09-06 06:50:40] [info] Design Rule Check Report
[2025-09-06 06:50:40] [info] =====

[2025-09-06 06:50:40] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:40] [info] Run Start Time: 06:50:34 AM
[2025-09-06 06:50:40] [info] Run End Time: 06:50:40 AM
[2025-09-06 06:50:40] [info] Time Taken: 0 minutes 9 seconds

[2025-09-06 06:50:40] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:40] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:40] [info] User Name: kuro
[2025-09-06 06:50:40] [info] Cores Used: 16
[2025-09-06 06:50:40] [info] Memory Utilized: 3149.83 MB / 62.569705963134766 GB

[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] Top Cell Information
[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] Layout Top Cell: aes_cipher_top3_sky130hd
[2025-09-06 06:50:40] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:40] [info] Database Format: GDSII
[2025-09-06 06:50:40] [info] Verification Mode: Full Check

[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] Type of Errors | Count
[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] DB_WARN -> 1
[2025-09-06 06:50:40] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:40] [info] DB_WARN002 -> 138
[2025-09-06 06:50:40] [info] DB_WARN003 -> 132
[2025-09-06 06:50:40] [info] DRC_ERR -> 253
[2025-09-06 06:50:40] [info] DRC_ERR9 -> 782
[2025-09-06 06:50:40] [info] DRC_ERR2 -> 16
[2025-09-06 06:50:40] [info] DRC_ERR5 -> 61
[2025-09-06 06:50:40] [info] DRC_ERR1 -> 16
[2025-09-06 06:50:40] [info] DRC_ERR4 -> 16
[2025-09-06 06:50:40] [info] -----

[2025-09-06 06:50:40] [info] Rule Violation Summary
[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:50:40] [info] |-----|-----|-----|
[2025-09-06 06:50:40] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 2 |
[2025-09-06 06:50:40] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 3 |
[2025-09-06 06:50:40] [info] | licon.8a | "licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" | 10 |
[2025-09-06 06:50:40] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 16 |
[2025-09-06 06:50:40] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 2 |
[2025-09-06 06:50:40] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 230 |
[2025-09-06 06:50:40] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 744 |
[2025-09-06 06:50:40] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 5 |
[2025-09-06 06:50:40] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 16 |
[2025-09-06 06:50:40] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um²" | 15 |
[2025-09-06 06:50:40] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 16 |
[2025-09-06 06:50:40] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16 |
[2025-09-06 06:50:40] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:40] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:40] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 16 |
[2025-09-06 06:50:40] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um²" | 2 |
[2025-09-06 06:50:40] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:50:40] [info] | li.1 | "li.1 : min. li width : 0.17um" | 2 |
[2025-09-06 06:50:40] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um²" | 6 |
[2025-09-06 06:50:40] [info] |
[2025-09-06 06:50:40] [info] -----

```
[2025-09-06 06:50:40] [info] Performance Metrics
[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] | Stage | Time Taken |
[2025-09-06 06:50:40] [info] |-----|-----|
[2025-09-06 06:50:40] [info] | GDS Parsing | 0 minutes 3 seconds |
[2025-09-06 06:50:40] [info] | Rule Checking | 0 minutes 5 seconds |
[2025-09-06 06:50:40] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] Summary
[2025-09-06 06:50:40] [info] -----
[2025-09-06 06:50:40] [info] Total Errors: 1158
[2025-09-06 06:50:40] [info] Total Warnings: 271
[2025-09-06 06:50:40] [info] DRC Status: FAILED
```

```

[2025-09-06 06:50:04] [info] =====
[2025-09-06 06:50:04] [info]                Design Rule Check Report
[2025-09-06 06:50:04] [info] =====

[2025-09-06 06:50:04] [info] Report Generated:    2025-09-06
[2025-09-06 06:50:04] [info] Run Start Time:      06:50:04 AM
[2025-09-06 06:50:04] [info] Run End Time:        06:50:04 AM
[2025-09-06 06:50:04] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:50:04] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:50:04] [info] Host Name:           kuro-Workstation
[2025-09-06 06:50:04] [info] User Name:           kuro
[2025-09-06 06:50:04] [info] Cores Used:          16
[2025-09-06 06:50:04] [info] Memory Utilized:     51.22 MB / 62.569705963134766 GB

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info]                Top Cell Information
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 06:50:04] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:50:04] [info] Database Format:       GDSII
[2025-09-06 06:50:04] [info] Verification Mode:    Full Check

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info]                Type of Errors | Count
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] DB_WARN -> 1
[2025-09-06 06:50:04] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:04] [info] DB_WARN002 -> 58
[2025-09-06 06:50:04] [info] DB_WARN003 -> 55
[2025-09-06 06:50:04] [info] DRC_ERR9 -> 787
[2025-09-06 06:50:04] [info] DRC_ERR2 -> 16
[2025-09-06 06:50:04] [info] DRC_ERR5 -> 238
[2025-09-06 06:50:04] [info] DRC_ERR -> 24
[2025-09-06 06:50:04] [info] DRC_ERR4 -> 8
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info]                Rule Violation Summary
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:50:04] [info] |-----|-----|-----|
[2025-09-06 06:50:04] [info] | m1.6          | "m1.6 : min. m1 area : 0.083um^2" | 7           |
[2025-09-06 06:50:04] [info] | li.1          | "li.1 : min. li width : 0.17um" | 11          |
[2025-09-06 06:50:04] [info] | licon.5       | "licon.5 : min. diff enclosure of licon : 0.04um" | 3           |
[2025-09-06 06:50:04] [info] | poly.7        | "poly.7 : min. source/drain length : 0.25um" | 16          |
[2025-09-06 06:50:04] [info] | via1.5b       | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 117         |
[2025-09-06 06:50:04] [info] | li.6          | "li.6 : min. li area : 0.0561um^2" | 1           |
[2025-09-06 06:50:04] [info] | licon.15      | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 5           |
[2025-09-06 06:50:04] [info] | via1.5a       | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 117         |
[2025-09-06 06:50:04] [info] | m1.2          | "m1.2 : min. m1 spacing : 0.14um" | 16          |
[2025-09-06 06:50:04] [info] | npc.1         | "npc.1 : min. npc width : 0.27um" | 2           |
[2025-09-06 06:50:04] [info] | li.1a         | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 11          |
[2025-09-06 06:50:04] [info] | li.5          | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 4           |
[2025-09-06 06:50:04] [info] | m1.1          | "m1.1 : min. m1 width : 0.14um" | 763         |
[2025-09-06 06:50:04] [info] |-----|-----|-----|
[2025-09-06 06:50:04] [info]                Performance Metrics
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] | Stage          | Time Taken |
[2025-09-06 06:50:04] [info] |-----|-----|
[2025-09-06 06:50:04] [info] | GDS Parsing     | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Rule Checking    | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Report Generation | 0 minutes 0 seconds |

```

```
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info]           Summary
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Total Errors:   1087
[2025-09-06 06:50:04] [info] Total Warnings:    114
[2025-09-06 06:50:04] [info] DRC Status:      FAILED
```

[2025-09-06 06:50:04] [info] =====
[2025-09-06 06:50:04] [info] Design Rule Check Report
[2025-09-06 06:50:04] [info] =====

[2025-09-06 06:50:04] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:04] [info] Run Start Time: 06:50:04 AM
[2025-09-06 06:50:04] [info] Run End Time: 06:50:04 AM
[2025-09-06 06:50:04] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:50:04] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:04] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:04] [info] User Name: kuro
[2025-09-06 06:50:04] [info] Cores Used: 16
[2025-09-06 06:50:04] [info] Memory Utilized: 54.65 MB / 62.569705963134766 GB

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Top Cell Information
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Layout Top Cell: gcd2_sky130hd
[2025-09-06 06:50:04] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:04] [info] Database Format: GDSII
[2025-09-06 06:50:04] [info] Verification Mode: Full Check

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Type of Errors | Count
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] DB_WARN -> 1
[2025-09-06 06:50:04] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:04] [info] DB_WARN002 -> 59
[2025-09-06 06:50:04] [info] DB_WARN003 -> 56
[2025-09-06 06:50:04] [info] DRC_ERR9 -> 854
[2025-09-06 06:50:04] [info] DRC_ERR2 -> 19
[2025-09-06 06:50:04] [info] DRC_ERR5 -> 171
[2025-09-06 06:50:04] [info] DRC_ERR -> 6
[2025-09-06 06:50:04] [info] DRC_ERR1 -> 2
[2025-09-06 06:50:04] [info] DRC_ERR4 -> 4

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Rule Violation Summary
[2025-09-06 06:50:04] [info] -----

[2025-09-06 06:50:04] [info]	Rule ID	Description	Error Count
[2025-09-06 06:50:04] [info]	m3.6	"m3.6 : min. m3 area : 0.24um ² "	1
[2025-09-06 06:50:04] [info]	m1.1	"m1.1 : min. m1 width : 0.14um"	835
[2025-09-06 06:50:04] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um"	5
[2025-09-06 06:50:04] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um"	8
[2025-09-06 06:50:04] [info]	npc.1	"npc.1 : min. npc width : 0.27um"	2
[2025-09-06 06:50:04] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um"	4
[2025-09-06 06:50:04] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um"	19
[2025-09-06 06:50:04] [info]	li.6	"li.6 : min. li area : 0.0561um ² "	2
[2025-09-06 06:50:04] [info]	vial.5b	"vial.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um"	82
[2025-09-06 06:50:04] [info]	m1.6	"m1.6 : min. m1 area : 0.083um ² "	3
[2025-09-06 06:50:04] [info]	vial.5a	"vial.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um"	82
[2025-09-06 06:50:04] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um"	2
[2025-09-06 06:50:04] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um"	2
[2025-09-06 06:50:04] [info]	li.1	"li.1 : min. li width : 0.17um"	8
[2025-09-06 06:50:04] [info]	psdm.1	"psdm.1 : min. psdm width : 0.38um"	1

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Performance Metrics
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] | Stage | Time Taken |
[2025-09-06 06:50:04] [info] |-----|-----|

```
[2025-09-06 06:50:04] [info] | GDS Parsing          | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Rule Checking       | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info]                Summary
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Total Errors:    1070
[2025-09-06 06:50:04] [info] Total Warnings:      116
[2025-09-06 06:50:04] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:50:04] [info] =====
[2025-09-06 06:50:04] [info] Design Rule Check Report
[2025-09-06 06:50:04] [info] =====

[2025-09-06 06:50:04] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:04] [info] Run Start Time: 06:50:04 AM
[2025-09-06 06:50:04] [info] Run End Time: 06:50:04 AM
[2025-09-06 06:50:04] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:50:04] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:04] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:04] [info] User Name: kuro
[2025-09-06 06:50:04] [info] Cores Used: 16
[2025-09-06 06:50:04] [info] Memory Utilized: 44.64 MB / 62.569705963134766 GB

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Top Cell Information
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 06:50:04] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:04] [info] Database Format: GDSII
[2025-09-06 06:50:04] [info] Verification Mode: Full Check

[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Type of Errors | Count
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] DB_WARN -> 1
[2025-09-06 06:50:04] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:04] [info] DB_WARN002 -> 59
[2025-09-06 06:50:04] [info] DB_WARN003 -> 56
[2025-09-06 06:50:04] [info] DRC_ERR9 -> 898
[2025-09-06 06:50:04] [info] DRC_ERR2 -> 18
[2025-09-06 06:50:04] [info] DRC_ERR5 -> 133
[2025-09-06 06:50:04] [info] DRC_ERR -> 25
[2025-09-06 06:50:04] [info] DRC_ERR1 -> 3
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Rule Violation Summary
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:50:04] [info] |-----|-----|-----|
[2025-09-06 06:50:04] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 3 |
[2025-09-06 06:50:04] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 3 |
[2025-09-06 06:50:04] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 5 |
[2025-09-06 06:50:04] [info] | li.1 | "li.1 : min. li width : 0.17um" | 11 |
[2025-09-06 06:50:04] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 20 |
[2025-09-06 06:50:04] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 62 |
[2025-09-06 06:50:04] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 62 |
[2025-09-06 06:50:04] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 18 |
[2025-09-06 06:50:04] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 6 |
[2025-09-06 06:50:04] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 4 |
[2025-09-06 06:50:04] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" | 8 |
[2025-09-06 06:50:04] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 875 |
[2025-09-06 06:50:04] [info]
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] Performance Metrics
[2025-09-06 06:50:04] [info] -----
[2025-09-06 06:50:04] [info] | Stage | Time Taken |
[2025-09-06 06:50:04] [info] |-----|-----|
[2025-09-06 06:50:04] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:50:04] [info] | Report Generation | 0 minutes 0 seconds |

```

```
[2025-09-06 06:50:04] [info] -----  
[2025-09-06 06:50:04] [info]           Summary  
[2025-09-06 06:50:04] [info] -----  
[2025-09-06 06:50:04] [info] Total Errors:   1091  
[2025-09-06 06:50:04] [info] Total Warnings:    116  
[2025-09-06 06:50:04] [info] DRC Status:      FAILED
```



```

[2025-09-06 06:50:49] [info] =====
[2025-09-06 06:50:49] [info] Design Rule Check Report
[2025-09-06 06:50:49] [info] =====

[2025-09-06 06:50:49] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:49] [info] Run Start Time: 06:50:44 AM
[2025-09-06 06:50:49] [info] Run End Time: 06:50:49 AM
[2025-09-06 06:50:49] [info] Time Taken: 0 minutes 9 seconds

[2025-09-06 06:50:49] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:49] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:49] [info] User Name: kuro
[2025-09-06 06:50:49] [info] Cores Used: 16
[2025-09-06 06:50:49] [info] Memory Utilized: 3317.12 MB / 62.569705963134766 GB

[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Top Cell Information
[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Layout Top Cell: ibex_core1_sky130hd
[2025-09-06 06:50:49] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:49] [info] Database Format: GDSII
[2025-09-06 06:50:49] [info] Verification Mode: Full Check

[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Type of Errors | Count
[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] DB_WARN -> 1
[2025-09-06 06:50:49] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:49] [info] DB_WARN002 -> 251
[2025-09-06 06:50:49] [info] DB_WARN003 -> 251
[2025-09-06 06:50:49] [info] DRC_ERR -> 146
[2025-09-06 06:50:49] [info] DRC_ERR4 -> 152
[2025-09-06 06:50:49] [info] DRC_ERR9 -> 761
[2025-09-06 06:50:49] [info] DRC_ERR2 -> 16
[2025-09-06 06:50:49] [info] DRC_ERR5 -> 56
[2025-09-06 06:50:49] [info] DRC_ERR1 -> 16

[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Rule Violation Summary
[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:50:49] [info] |-----|-----|-----|
[2025-09-06 06:50:49] [info] | m2.6 | "m2.6 : min. m2 area : 0.0676um^2" | 1 |
[2025-09-06 06:50:49] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 5 |
[2025-09-06 06:50:49] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 8 |
[2025-09-06 06:50:49] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 15 |
[2025-09-06 06:50:49] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 116 |
[2025-09-06 06:50:49] [info] | psdm.1 | "psdm.1 : min. psdm width : 0.38um" | 4 |
[2025-09-06 06:50:49] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 135 |
[2025-09-06 06:50:49] [info] | li.1 | "li.1 : min. li width : 0.17um" | 28 |
[2025-09-06 06:50:49] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 13 |
[2025-09-06 06:50:49] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 12 |
[2025-09-06 06:50:49] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 678 |
[2025-09-06 06:50:49] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 23 |
[2025-09-06 06:50:49] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 17 |
[2025-09-06 06:50:49] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 16 |
[2025-09-06 06:50:49] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16 |
[2025-09-06 06:50:49] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:49] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 16 |
[2025-09-06 06:50:49] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:50:49] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 12 |
[2025-09-06 06:50:49] [info] |
[2025-09-06 06:50:49] [info] -----

```

```
[2025-09-06 06:50:49] [info] Performance Metrics
[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] | Stage | Time Taken |
[2025-09-06 06:50:49] [info] |-----|-----|
[2025-09-06 06:50:49] [info] | GDS Parsing | 0 minutes 3 seconds |
[2025-09-06 06:50:49] [info] | Rule Checking | 0 minutes 5 seconds |
[2025-09-06 06:50:49] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Summary
[2025-09-06 06:50:49] [info] -----
[2025-09-06 06:50:49] [info] Total Errors: 1161
[2025-09-06 06:50:49] [info] Total Warnings: 503
[2025-09-06 06:50:49] [info] DRC Status: FAILED
```

[2025-09-06 06:51:01] [info] =====
[2025-09-06 06:51:01] [info] Design Rule Check Report
[2025-09-06 06:51:01] [info] =====

[2025-09-06 06:51:01] [info] Report Generated: 2025-09-06
[2025-09-06 06:51:01] [info] Run Start Time: 06:50:54 AM
[2025-09-06 06:51:01] [info] Run End Time: 06:51:01 AM
[2025-09-06 06:51:01] [info] Time Taken: 0 minutes 11 seconds

[2025-09-06 06:51:01] [info] Tool Version: LVR_2025.1
[2025-09-06 06:51:01] [info] Host Name: kuro-Workstation
[2025-09-06 06:51:01] [info] User Name: kuro
[2025-09-06 06:51:01] [info] Cores Used: 16
[2025-09-06 06:51:01] [info] Memory Utilized: 3354.70 MB / 62.569705963134766 GB

[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] Top Cell Information
[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-09-06 06:51:01] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:51:01] [info] Database Format: GDSII
[2025-09-06 06:51:01] [info] Verification Mode: Full Check

[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] Type of Errors | Count
[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] DB_WARN -> 1
[2025-09-06 06:51:01] [info] LRF_ERR001 -> 14
[2025-09-06 06:51:01] [info] DB_WARN002 -> 249
[2025-09-06 06:51:01] [info] DB_WARN003 -> 249
[2025-09-06 06:51:01] [info] DRC_ERR9 -> 767
[2025-09-06 06:51:01] [info] DRC_ERR2 -> 16
[2025-09-06 06:51:01] [info] DRC_ERR5 -> 67
[2025-09-06 06:51:01] [info] DRC_ERR4 -> 101
[2025-09-06 06:51:01] [info] DRC_ERR -> 197
[2025-09-06 06:51:01] [info] DRC_ERR1 -> 15

[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] Rule Violation Summary
[2025-09-06 06:51:01] [info] -----

[2025-09-06 06:51:01] [info]	Rule ID	Description	Error Count
[2025-09-06 06:51:01] [info]	licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" 11	
[2025-09-06 06:51:01] [info]	npc.1	"npc.1 : min. npc width : 0.27um" 7	
[2025-09-06 06:51:01] [info]	m3.6	"m3.6 : min. m3 area : 0.24um ² " 2	
[2025-09-06 06:51:01] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 7	
[2025-09-06 06:51:01] [info]	licon.8	"licon.8 : min. poly enclosure of licon : 0.05um" 2	
[2025-09-06 06:51:01] [info]	m1.1	"m1.1 : min. m1 width : 0.14um" 676	
[2025-09-06 06:51:01] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" 13	
[2025-09-06 06:51:01] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um" 16	
[2025-09-06 06:51:01] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 12	
[2025-09-06 06:51:01] [info]	via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 17	
[2025-09-06 06:51:01] [info]	m4.4	"m4.4 : min. m4 area : 0.24um ² " 1	
[2025-09-06 06:51:01] [info]	licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 87	
[2025-09-06 06:51:01] [info]	psdm.1	"psdm.1 : min. psdm width : 0.38um" 9	
[2025-09-06 06:51:01] [info]	li.1	"li.1 : min. li width : 0.17um" 21	
[2025-09-06 06:51:01] [info]	m1.6	"m1.6 : min. m1 area : 0.083um ² " 10	
[2025-09-06 06:51:01] [info]	m5.1	"m5.1 : min. m5 width : 1.6um" 13	
[2025-09-06 06:51:01] [info]	via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 17	
[2025-09-06 06:51:01] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 15	
[2025-09-06 06:51:01] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 15	
[2025-09-06 06:51:01] [info]	poly.7	"poly.7 : min. source/drain length : 0.25um" 178	
[2025-09-06 06:51:01] [info]	li.6	"li.6 : min. li area : 0.061um ² " 6	

```

[2025-09-06 06:51:01] [info] | poly.1a          | "poly.1a : min. poly width : 0.15um" | 28      |
[2025-09-06 06:51:01] [info]
[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info]                      Performance Metrics
[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] | Stage                      | Time Taken |
[2025-09-06 06:51:01] [info] |-----|-----|
[2025-09-06 06:51:01] [info] | GDS Parsing                | 0 minutes 3 seconds |
[2025-09-06 06:51:01] [info] | Rule Checking               | 0 minutes 7 seconds |
[2025-09-06 06:51:01] [info] | Report Generation           | 0 minutes 0 seconds |

[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info]                      Summary
[2025-09-06 06:51:01] [info] -----
[2025-09-06 06:51:01] [info] Total Errors:    1177
[2025-09-06 06:51:01] [info] Total Warnings:      499
[2025-09-06 06:51:01] [info] DRC Status:      FAILED

```

[2025-09-06 06:51:13] [info] =====
[2025-09-06 06:51:13] [info] Design Rule Check Report
[2025-09-06 06:51:13] [info] =====

[2025-09-06 06:51:13] [info] Report Generated: 2025-09-06
[2025-09-06 06:51:13] [info] Run Start Time: 06:51:05 AM
[2025-09-06 06:51:13] [info] Run End Time: 06:51:13 AM
[2025-09-06 06:51:13] [info] Time Taken: 0 minutes 11 seconds

[2025-09-06 06:51:13] [info] Tool Version: LVR_2025.1
[2025-09-06 06:51:13] [info] Host Name: kuro-Workstation
[2025-09-06 06:51:13] [info] User Name: kuro
[2025-09-06 06:51:13] [info] Cores Used: 16
[2025-09-06 06:51:13] [info] Memory Utilized: 3315.65 MB / 62.569705963134766 GB

[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] Top Cell Information
[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 06:51:13] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:51:13] [info] Database Format: GDSII
[2025-09-06 06:51:13] [info] Verification Mode: Full Check

[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] Type of Errors | Count
[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] DB_WARN -> 1
[2025-09-06 06:51:13] [info] LRF_ERR001 -> 14
[2025-09-06 06:51:13] [info] DB_WARN002 -> 253
[2025-09-06 06:51:13] [info] DB_WARN003 -> 251
[2025-09-06 06:51:13] [info] DRC_ERR9 -> 999
[2025-09-06 06:51:13] [info] DRC_ERR2 -> 16
[2025-09-06 06:51:13] [info] DRC_ERR5 -> 53
[2025-09-06 06:51:13] [info] DRC_ERR -> 72
[2025-09-06 06:51:13] [info] DRC_ERR4 -> 23
[2025-09-06 06:51:13] [info] DRC_ERR1 -> 15

[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] Rule Violation Summary
[2025-09-06 06:51:13] [info] -----

[2025-09-06 06:51:13] [info]	Rule ID	Description	Error Count
[2025-09-06 06:51:13] [info]	m3.6	"m3.6 : min. m3 area : 0.24um ² "	4
[2025-09-06 06:51:13] [info]	m5.1	"m5.1 : min. m5 width : 1.6um"	11
[2025-09-06 06:51:13] [info]	m1.6	"m1.6 : min. m1 area : 0.083um ² "	10
[2025-09-06 06:51:13] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um"	12
[2025-09-06 06:51:13] [info]	psdm.1	"psdm.1 : min. psdm width : 0.38um"	1
[2025-09-06 06:51:13] [info]	licon.5	"licon.5 : min. diff enclosure of licon : 0.04um"	16
[2025-09-06 06:51:13] [info]	li.1	"li.1 : min. li width : 0.17um"	12
[2025-09-06 06:51:13] [info]	m1.1	"m1.1 : min. m1 width : 0.14um"	926
[2025-09-06 06:51:13] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um"	2
[2025-09-06 06:51:13] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um"	16
[2025-09-06 06:51:13] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um"	7
[2025-09-06 06:51:13] [info]	via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um"	16
[2025-09-06 06:51:13] [info]	npc.1	"npc.1 : min. npc width : 0.27um"	7
[2025-09-06 06:51:13] [info]	licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um"	4
[2025-09-06 06:51:13] [info]	li.6	"li.6 : min. li area : 0.0561um ² "	6
[2025-09-06 06:51:13] [info]	poly.1a	"poly.1a : min. poly width : 0.15um"	30
[2025-09-06 06:51:13] [info]	poly.7	"poly.7 : min. source/drain length : 0.25um"	52
[2025-09-06 06:51:13] [info]	via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um"	16
[2025-09-06 06:51:13] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um"	15
[2025-09-06 06:51:13] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um"	15

```
[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info]             Performance Metrics
[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] | Stage                | Time Taken |
[2025-09-06 06:51:13] [info] |-----|-----|
[2025-09-06 06:51:13] [info] | GDS Parsing           | 0 minutes 3 seconds |
[2025-09-06 06:51:13] [info] | Rule Checking         | 0 minutes 6 seconds |
[2025-09-06 06:51:13] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info]             Summary
[2025-09-06 06:51:13] [info] -----
[2025-09-06 06:51:13] [info] Total Errors:    1192
[2025-09-06 06:51:13] [info] Total Warnings:      505
[2025-09-06 06:51:13] [info] DRC Status:      FAILED
```

[2025-09-06 06:51:38] [info] =====
[2025-09-06 06:51:38] [info] Design Rule Check Report
[2025-09-06 06:51:38] [info] =====

[2025-09-06 06:51:38] [info] Report Generated: 2025-09-06
[2025-09-06 06:51:38] [info] Run Start Time: 06:51:22 AM
[2025-09-06 06:51:38] [info] Run End Time: 06:51:38 AM
[2025-09-06 06:51:38] [info] Time Taken: 0 minutes 24 seconds

[2025-09-06 06:51:38] [info] Tool Version: LVR_2025.1
[2025-09-06 06:51:38] [info] Host Name: kuro-Workstation
[2025-09-06 06:51:38] [info] User Name: kuro
[2025-09-06 06:51:38] [info] Cores Used: 16
[2025-09-06 06:51:38] [info] Memory Utilized: 8425.47 MB / 62.569705963134766 GB

[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Top Cell Information
[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-09-06 06:51:38] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:51:38] [info] Database Format: GDSII
[2025-09-06 06:51:38] [info] Verification Mode: Full Check

[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Type of Errors | Count
[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] DB_WARN -> 1
[2025-09-06 06:51:38] [info] LRF_ERR001 -> 14
[2025-09-06 06:51:38] [info] DB_WARN002 -> 159
[2025-09-06 06:51:38] [info] DB_WARN003 -> 161
[2025-09-06 06:51:38] [info] DRC_ERR9 -> 1031
[2025-09-06 06:51:38] [info] DRC_ERR2 -> 16
[2025-09-06 06:51:38] [info] DRC_ERR -> 33
[2025-09-06 06:51:38] [info] DRC_ERR5 -> 58
[2025-09-06 06:51:38] [info] DRC_ERR1 -> 15
[2025-09-06 06:51:38] [info] DRC_ERR4 -> 15

[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Rule Violation Summary

[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:51:38] [info] |-----|-----|-----|
[2025-09-06 06:51:38] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:51:38] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 7 |
[2025-09-06 06:51:38] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 17 |
[2025-09-06 06:51:38] [info] | licon.8a | "licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" | 4 |
[2025-09-06 06:51:38] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 928 |
[2025-09-06 06:51:38] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" | 16 |
[2025-09-06 06:51:38] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 8 |
[2025-09-06 06:51:38] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 16 |
[2025-09-06 06:51:38] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um²" | 13 |
[2025-09-06 06:51:38] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16 |
[2025-09-06 06:51:38] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 15 |
[2025-09-06 06:51:38] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:51:38] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 15 |
[2025-09-06 06:51:38] [info] | li.6 | "li.6 : min. li area : 0.0561um²" | 12 |
[2025-09-06 06:51:38] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 39 |
[2025-09-06 06:51:38] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 8 |
[2025-09-06 06:51:38] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 7 |
[2025-09-06 06:51:38] [info] | li.1 | "li.1 : min. li width : 0.17um" | 16 |
[2025-09-06 06:51:38] [info] | psdm.1 | "psdm.1 : min. psdm width : 0.38um" | 14 |
[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] -----

```
[2025-09-06 06:51:38] [info] Performance Metrics
[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] | Stage | Time Taken |
[2025-09-06 06:51:38] [info] |-----|-----|
[2025-09-06 06:51:38] [info] | GDS Parsing | 0 minutes 8 seconds |
[2025-09-06 06:51:38] [info] | Rule Checking | 0 minutes 14 seconds |
[2025-09-06 06:51:38] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Summary
[2025-09-06 06:51:38] [info] -----
[2025-09-06 06:51:38] [info] Total Errors: 1182
[2025-09-06 06:51:38] [info] Total Warnings: 321
[2025-09-06 06:51:38] [info] DRC Status: FAILED
```



```

[2025-09-06 06:52:15] [info] =====
[2025-09-06 06:52:15] [info] Design Rule Check Report
[2025-09-06 06:52:15] [info] =====

[2025-09-06 06:52:15] [info] Report Generated: 2025-09-06
[2025-09-06 06:52:15] [info] Run Start Time: 06:51:51 AM
[2025-09-06 06:52:15] [info] Run End Time: 06:52:15 AM
[2025-09-06 06:52:15] [info] Time Taken: 0 minutes 35 seconds

[2025-09-06 06:52:15] [info] Tool Version: LVR_2025.1
[2025-09-06 06:52:15] [info] Host Name: kuro-Workstation
[2025-09-06 06:52:15] [info] User Name: kuro
[2025-09-06 06:52:15] [info] Cores Used: 16
[2025-09-06 06:52:15] [info] Memory Utilized: 10193.33 MB / 62.569705963134766 GB

[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Top Cell Information
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 06:52:15] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:52:15] [info] Database Format: GDSII
[2025-09-06 06:52:15] [info] Verification Mode: Full Check

[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Type of Errors | Count
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] DB_WARN -> 1
[2025-09-06 06:52:15] [info] LRF_ERR001 -> 14
[2025-09-06 06:52:15] [info] DB_WARN002 -> 157
[2025-09-06 06:52:15] [info] DB_WARN003 -> 159
[2025-09-06 06:52:15] [info] DRC_ERR9 -> 774
[2025-09-06 06:52:15] [info] DRC_ERR2 -> 16
[2025-09-06 06:52:15] [info] DRC_ERR5 -> 49
[2025-09-06 06:52:15] [info] DRC_ERR -> 265
[2025-09-06 06:52:15] [info] DRC_ERR1 -> 13
[2025-09-06 06:52:15] [info] DRC_ERR4 -> 22

[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Rule Violation Summary
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:52:15] [info] |-----|-----|-----|
[2025-09-06 06:52:15] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:52:15] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 2 |
[2025-09-06 06:52:15] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 248 |
[2025-09-06 06:52:15] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 1 |
[2025-09-06 06:52:15] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 744 |
[2025-09-06 06:52:15] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5* : 0.14um" | 9 |
[2025-09-06 06:52:15] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 4 |
[2025-09-06 06:52:15] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 1 |
[2025-09-06 06:52:15] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 16 |
[2025-09-06 06:52:15] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 16 |
[2025-09-06 06:52:15] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 5 |
[2025-09-06 06:52:15] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 8 |
[2025-09-06 06:52:15] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 12 |
[2025-09-06 06:52:15] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 16 |
[2025-09-06 06:52:15] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 13 |
[2025-09-06 06:52:15] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 13 |
[2025-09-06 06:52:15] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 21 |
[2025-09-06 06:52:15] [info] | li.1 | "li.1 : min. li width : 0.17um" | 9 |
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Performance Metrics

```

```
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] | Stage                | Time Taken |
[2025-09-06 06:52:15] [info] |-----|-----|
[2025-09-06 06:52:15] [info] | GDS Parsing          | 0 minutes 11 seconds |
[2025-09-06 06:52:15] [info] | Rule Checking        | 0 minutes 23 seconds |
[2025-09-06 06:52:15] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info]                Summary
[2025-09-06 06:52:15] [info] -----
[2025-09-06 06:52:15] [info] Total Errors:    1153
[2025-09-06 06:52:15] [info] Total Warnings:      317
[2025-09-06 06:52:15] [info] DRC Status:      FAILED
```

[2025-09-06 06:52:43] [info] =====
[2025-09-06 06:52:43] [info] Design Rule Check Report
[2025-09-06 06:52:43] [info] =====

[2025-09-06 06:52:43] [info] Report Generated: 2025-09-06
[2025-09-06 06:52:43] [info] Run Start Time: 06:52:25 AM
[2025-09-06 06:52:43] [info] Run End Time: 06:52:43 AM
[2025-09-06 06:52:43] [info] Time Taken: 0 minutes 25 seconds

[2025-09-06 06:52:43] [info] Tool Version: LVR_2025.1
[2025-09-06 06:52:43] [info] Host Name: kuro-Workstation
[2025-09-06 06:52:43] [info] User Name: kuro
[2025-09-06 06:52:43] [info] Cores Used: 16
[2025-09-06 06:52:43] [info] Memory Utilized: 7813.02 MB / 62.569705963134766 GB

[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Top Cell Information
[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 06:52:43] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:52:43] [info] Database Format: GDSII
[2025-09-06 06:52:43] [info] Verification Mode: Full Check

[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Type of Errors | Count
[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] DB_WARN -> 1
[2025-09-06 06:52:43] [info] LRF_ERR001 -> 14
[2025-09-06 06:52:43] [info] DB_WARN002 -> 152
[2025-09-06 06:52:43] [info] DB_WARN003 -> 155
[2025-09-06 06:52:43] [info] DRC_ERR9 -> 800
[2025-09-06 06:52:43] [info] DRC_ERR4 -> 23
[2025-09-06 06:52:43] [info] DRC_ERR2 -> 16
[2025-09-06 06:52:43] [info] DRC_ERR5 -> 55
[2025-09-06 06:52:43] [info] DRC_ERR1 -> 16
[2025-09-06 06:52:43] [info] DRC_ERR -> 253

[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Rule Violation Summary

[2025-09-06 06:52:43] [info]	Rule ID	Description	Error Count
[2025-09-06 06:52:43] [info]	m5.1	"m5.1 : min. m5 width : 1.6um" 1	
[2025-09-06 06:52:43] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 4	
[2025-09-06 06:52:43] [info]	poly.7	"poly.7 : min. source/drain length : 0.25um" 242	
[2025-09-06 06:52:43] [info]	licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" 3	
[2025-09-06 06:52:43] [info]	npc.1	"npc.1 : min. npc width : 0.27um" 7	
[2025-09-06 06:52:43] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" 13	
[2025-09-06 06:52:43] [info]	m1.1	"m1.1 : min. m1 width : 0.14um" 752	
[2025-09-06 06:52:43] [info]	licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 11	
[2025-09-06 06:52:43] [info]	li.1	"li.1 : min. li width : 0.17um" 13	
[2025-09-06 06:52:43] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 4	
[2025-09-06 06:52:43] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um" 16	
[2025-09-06 06:52:43] [info]	m1.4	"m1.4 : min. m1 enclosure of mcon : 0.03um" 8	
[2025-09-06 06:52:43] [info]	via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 16	
[2025-09-06 06:52:43] [info]	via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 16	
[2025-09-06 06:52:43] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 16	
[2025-09-06 06:52:43] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 16	
[2025-09-06 06:52:43] [info]	m1.6	"m1.6 : min. m1 area : 0.083um ² " 10	
[2025-09-06 06:52:43] [info]	li.6	"li.6 : min. li area : 0.0561um ² " 1	
[2025-09-06 06:52:43] [info]	poly.1a	"poly.1a : min. poly width : 0.15um" 14	

```
[2025-09-06 06:52:43] [info] Performance Metrics
[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] | Stage | Time Taken |
[2025-09-06 06:52:43] [info] |-----|-----|
[2025-09-06 06:52:43] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-09-06 06:52:43] [info] | Rule Checking | 0 minutes 16 seconds |
[2025-09-06 06:52:43] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Summary
[2025-09-06 06:52:43] [info] -----
[2025-09-06 06:52:43] [info] Total Errors: 1177
[2025-09-06 06:52:43] [info] Total Warnings: 308
[2025-09-06 06:52:43] [info] DRC Status: FAILED
```

```

[2025-09-06 06:18:52] [info] =====
[2025-09-06 06:18:52] [info]           Design Rule Check Report
[2025-09-06 06:18:52] [info] =====

[2025-09-06 06:18:52] [info] Report Generated:    2025-09-06
[2025-09-06 06:18:52] [info] Run Start Time:      06:17:19 AM
[2025-09-06 06:18:52] [info] Run End Time:        06:18:51 AM
[2025-09-06 06:18:52] [info] Time Taken:          1 minutes 39 seconds

[2025-09-06 06:18:52] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:18:52] [info] Host Name:           kuro-Workstation
[2025-09-06 06:18:52] [info] User Name:           kuro
[2025-09-06 06:18:52] [info] Cores Used:          1
[2025-09-06 06:18:52] [info] Memory Utilized:     3561.22 MB / 62.569705963134766 GB

[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info]           Top Cell Information
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 06:18:52] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:18:52] [info] Database Format:       GDSII
[2025-09-06 06:18:52] [info] Verification Mode:    Full Check

[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info]           Type of Errors | Count
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info] DB_WARN -> 1
[2025-09-06 06:18:52] [info] LRF_ERR001 -> 14
[2025-09-06 06:18:52] [info] DB_WARN002 -> 144
[2025-09-06 06:18:52] [info] DB_WARN003 -> 137
[2025-09-06 06:18:52] [info] DRC_ERR -> 240
[2025-09-06 06:18:52] [info] DRC_ERR4 -> 11
[2025-09-06 06:18:52] [info] DRC_ERR9 -> 752
[2025-09-06 06:18:52] [info] DRC_ERR2 -> 1
[2025-09-06 06:18:52] [info] DRC_ERR5 -> 3
[2025-09-06 06:18:52] [info] DRC_ERR1 -> 1
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info]           Rule Violation Summary
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:18:52] [info] |-----|-----|-----|
[2025-09-06 06:18:52] [info] | m5.1         | "m5.1 : min. m5 width : 1.6um" | 1           |
[2025-09-06 06:18:52] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:18:52] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1           |
[2025-09-06 06:18:52] [info] | m2.1         | "m2.1 : min. m2 width : 0.14um" | 1           |
[2025-09-06 06:18:52] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1           |
[2025-09-06 06:18:52] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:18:52] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 1           |
[2025-09-06 06:18:52] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 750         |
[2025-09-06 06:18:52] [info] | licon.5      | "licon.5 : min. diff enclosure of licon : 0.04um" | 11          |
[2025-09-06 06:18:52] [info] | poly.7       | "poly.7 : min. source/drain length : 0.25um" | 240         |
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info]           Performance Metrics
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info] | Stage          | Time Taken |
[2025-09-06 06:18:52] [info] |-----|-----|
[2025-09-06 06:18:52] [info] | GDS Parsing    | 0 minutes 6 seconds |
[2025-09-06 06:18:52] [info] | Rule Checking  | 1 minutes 32 seconds |
[2025-09-06 06:18:52] [info] | Report Generation | 0 minutes 0 seconds |
[2025-09-06 06:18:52] [info] -----

```

```
[2025-09-06 06:18:52] [info] Summary
[2025-09-06 06:18:52] [info] -----
[2025-09-06 06:18:52] [info] Total Errors: 1022
[2025-09-06 06:18:52] [info] Total Warnings: 282
[2025-09-06 06:18:52] [info] DRC Status: FAILED
```

```

[2025-09-06 06:20:37] [info] =====
[2025-09-06 06:20:37] [info] Design Rule Check Report
[2025-09-06 06:20:37] [info] =====

[2025-09-06 06:20:37] [info] Report Generated: 2025-09-06
[2025-09-06 06:20:37] [info] Run Start Time: 06:19:01 AM
[2025-09-06 06:20:37] [info] Run End Time: 06:20:37 AM
[2025-09-06 06:20:37] [info] Time Taken: 1 minutes 44 seconds

[2025-09-06 06:20:37] [info] Tool Version: LVR_2025.1
[2025-09-06 06:20:37] [info] Host Name: kuro-Workstation
[2025-09-06 06:20:37] [info] User Name: kuro
[2025-09-06 06:20:37] [info] Cores Used: 1
[2025-09-06 06:20:37] [info] Memory Utilized: 4163.69 MB / 62.569705963134766 GB

[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Top Cell Information
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 06:20:37] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:20:37] [info] Database Format: GDSII
[2025-09-06 06:20:37] [info] Verification Mode: Full Check

[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Type of Errors | Count
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] DB_WARN -> 1
[2025-09-06 06:20:37] [info] LRF_ERR001 -> 14
[2025-09-06 06:20:37] [info] DB_WARN002 -> 141
[2025-09-06 06:20:37] [info] DB_WARN003 -> 135
[2025-09-06 06:20:37] [info] DRC_ERR -> 232
[2025-09-06 06:20:37] [info] DRC_ERR4 -> 12
[2025-09-06 06:20:37] [info] DRC_ERR9 -> 758
[2025-09-06 06:20:37] [info] DRC_ERR2 -> 1
[2025-09-06 06:20:37] [info] DRC_ERR5 -> 3
[2025-09-06 06:20:37] [info] DRC_ERR1 -> 1
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Rule Violation Summary
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:20:37] [info] |-----|-----|-----|
[2025-09-06 06:20:37] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:20:37] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:20:37] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:20:37] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:20:37] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:20:37] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:20:37] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 757 |
[2025-09-06 06:20:37] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 12 |
[2025-09-06 06:20:37] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 232 |
[2025-09-06 06:20:37] [info]
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Performance Metrics
[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] | Stage | Time Taken |
[2025-09-06 06:20:37] [info] |-----|-----|
[2025-09-06 06:20:37] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-09-06 06:20:37] [info] | Rule Checking | 1 minutes 35 seconds |
[2025-09-06 06:20:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:20:37] [info] -----
[2025-09-06 06:20:37] [info] Summary

```

```
[2025-09-06 06:20:37] [info] -----  
[2025-09-06 06:20:37] [info] Total Errors:    1021  
[2025-09-06 06:20:37] [info] Total Warnings:      277  
[2025-09-06 06:20:37] [info] DRC Status:          FAILED
```



```

[2025-09-06 06:22:17] [info] =====
[2025-09-06 06:22:17] [info] Design Rule Check Report
[2025-09-06 06:22:17] [info] =====

[2025-09-06 06:22:17] [info] Report Generated: 2025-09-06
[2025-09-06 06:22:17] [info] Run Start Time: 06:20:45 AM
[2025-09-06 06:22:17] [info] Run End Time: 06:22:17 AM
[2025-09-06 06:22:17] [info] Time Taken: 1 minutes 37 seconds

[2025-09-06 06:22:17] [info] Tool Version: LVR_2025.1
[2025-09-06 06:22:17] [info] Host Name: kuro-Workstation
[2025-09-06 06:22:17] [info] User Name: kuro
[2025-09-06 06:22:17] [info] Cores Used: 1
[2025-09-06 06:22:17] [info] Memory Utilized: 2951.58 MB / 62.569705963134766 GB

[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] Top Cell Information
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] Layout Top Cell: aes_cipher_top3_sky130hd
[2025-09-06 06:22:17] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:22:17] [info] Database Format: GDSII
[2025-09-06 06:22:17] [info] Verification Mode: Full Check

[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] Type of Errors | Count
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] DB_WARN -> 1
[2025-09-06 06:22:17] [info] LRF_ERR001 -> 14
[2025-09-06 06:22:17] [info] DB_WARN002 -> 138
[2025-09-06 06:22:17] [info] DB_WARN003 -> 132
[2025-09-06 06:22:17] [info] DRC_ERR -> 227
[2025-09-06 06:22:17] [info] DRC_ERR4 -> 11
[2025-09-06 06:22:17] [info] DRC_ERR9 -> 766
[2025-09-06 06:22:17] [info] DRC_ERR2 -> 1
[2025-09-06 06:22:17] [info] DRC_ERR5 -> 3
[2025-09-06 06:22:17] [info] DRC_ERR1 -> 1
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] Rule Violation Summary
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:22:17] [info] |-----|-----|-----|
[2025-09-06 06:22:17] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:22:17] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:22:17] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:22:17] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 1 |
[2025-09-06 06:22:17] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 1 |
[2025-09-06 06:22:17] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:22:17] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:22:17] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:22:17] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 764 |
[2025-09-06 06:22:17] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:22:17] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 226 |
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] Performance Metrics
[2025-09-06 06:22:17] [info] -----
[2025-09-06 06:22:17] [info] | Stage | Time Taken |
[2025-09-06 06:22:17] [info] |-----|-----|
[2025-09-06 06:22:17] [info] | GDS Parsing | 0 minutes 5 seconds |
[2025-09-06 06:22:17] [info] | Rule Checking | 1 minutes 32 seconds |
[2025-09-06 06:22:17] [info] | Report Generation | 0 minutes 0 seconds |

```

```
[2025-09-06 06:22:17] [info] -----  
[2025-09-06 06:22:17] [info]           Summary  
[2025-09-06 06:22:17] [info] -----  
[2025-09-06 06:22:17] [info] Total Errors:   1023  
[2025-09-06 06:22:17] [info] Total Warnings:    271  
[2025-09-06 06:22:17] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:17:11] [info] =====
[2025-09-06 06:17:11] [info]                Design Rule Check Report
[2025-09-06 06:17:11] [info] =====

[2025-09-06 06:17:11] [info] Report Generated:    2025-09-06
[2025-09-06 06:17:11] [info] Run Start Time:      06:17:10 AM
[2025-09-06 06:17:11] [info] Run End Time:        06:17:11 AM
[2025-09-06 06:17:11] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:17:11] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:17:11] [info] Host Name:           kuro-Workstation
[2025-09-06 06:17:11] [info] User Name:           kuro
[2025-09-06 06:17:11] [info] Cores Used:          1
[2025-09-06 06:17:11] [info] Memory Utilized:     48.99 MB / 62.569705963134766 GB

[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info]                Top Cell Information
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 06:17:11] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:17:11] [info] Database Format:       GDSII
[2025-09-06 06:17:11] [info] Verification Mode:    Full Check

[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info]                Type of Errors | Count
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info] DB_WARN -> 1
[2025-09-06 06:17:11] [info] LRF_ERR001 -> 14
[2025-09-06 06:17:11] [info] DB_WARN002 -> 58
[2025-09-06 06:17:11] [info] DB_WARN003 -> 55
[2025-09-06 06:17:11] [info] DRC_ERR9 -> 1001
[2025-09-06 06:17:11] [info] DRC_ERR2 -> 1
[2025-09-06 06:17:11] [info] DRC_ERR5 -> 2
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info]                Rule Violation Summary
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:17:11] [info] |-----|-----|-----|
[2025-09-06 06:17:11] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:17:11] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:17:11] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:17:11] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 1001 |
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info]                Performance Metrics
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info] | Stage | Time Taken |
[2025-09-06 06:17:11] [info] |-----|-----|
[2025-09-06 06:17:11] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:17:11] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:17:11] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info]                Summary
[2025-09-06 06:17:11] [info] -----
[2025-09-06 06:17:11] [info] Total Errors:    1018
[2025-09-06 06:17:11] [info] Total Warnings:  114
[2025-09-06 06:17:11] [info] DRC Status:      FAILED

```

```

[2025-09-06 06:17:12] [info] =====
[2025-09-06 06:17:12] [info] Design Rule Check Report
[2025-09-06 06:17:12] [info] =====

[2025-09-06 06:17:12] [info] Report Generated: 2025-09-06
[2025-09-06 06:17:12] [info] Run Start Time: 06:17:11 AM
[2025-09-06 06:17:12] [info] Run End Time: 06:17:12 AM
[2025-09-06 06:17:12] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:17:12] [info] Tool Version: LVR_2025.1
[2025-09-06 06:17:12] [info] Host Name: kuro-Workstation
[2025-09-06 06:17:12] [info] User Name: kuro
[2025-09-06 06:17:12] [info] Cores Used: 1
[2025-09-06 06:17:12] [info] Memory Utilized: 53.30 MB / 62.569705963134766 GB

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Top Cell Information
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Layout Top Cell: gcd2_sky130hd
[2025-09-06 06:17:12] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:17:12] [info] Database Format: GDSII
[2025-09-06 06:17:12] [info] Verification Mode: Full Check

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Type of Errors | Count
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] DB_WARN -> 1
[2025-09-06 06:17:12] [info] LRF_ERR001 -> 14
[2025-09-06 06:17:12] [info] DB_WARN002 -> 59
[2025-09-06 06:17:12] [info] DB_WARN003 -> 56
[2025-09-06 06:17:12] [info] DRC_ERR9 -> 1001
[2025-09-06 06:17:12] [info] DRC_ERR2 -> 1
[2025-09-06 06:17:12] [info] DRC_ERR5 -> 3
[2025-09-06 06:17:12] [info] DRC_ERR1 -> 1
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Rule Violation Summary
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:17:12] [info] |-----|-----|-----|
[2025-09-06 06:17:12] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:17:12] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:17:12] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:17:12] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:17:12] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:17:12] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 1001 |
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Performance Metrics
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] | Stage | Time Taken |
[2025-09-06 06:17:12] [info] |-----|-----|
[2025-09-06 06:17:12] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:17:12] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:17:12] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Summary
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Total Errors: 1020
[2025-09-06 06:17:12] [info] Total Warnings: 116
[2025-09-06 06:17:12] [info] DRC Status: FAILED

```

```

[2025-09-06 06:17:12] [info] =====
[2025-09-06 06:17:12] [info]                Design Rule Check Report
[2025-09-06 06:17:12] [info] =====

[2025-09-06 06:17:12] [info] Report Generated:    2025-09-06
[2025-09-06 06:17:12] [info] Run Start Time:      06:17:12 AM
[2025-09-06 06:17:12] [info] Run End Time:        06:17:12 AM
[2025-09-06 06:17:12] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:17:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:17:12] [info] Host Name:           kuro-Workstation
[2025-09-06 06:17:12] [info] User Name:           kuro
[2025-09-06 06:17:12] [info] Cores Used:          1
[2025-09-06 06:17:12] [info] Memory Utilized:     42.66 MB / 62.569705963134766 GB

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info]                Top Cell Information
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 06:17:12] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:17:12] [info] Database Format:       GDSII
[2025-09-06 06:17:12] [info] Verification Mode:    Full Check

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info]                Type of Errors | Count
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] DB_WARN -> 1
[2025-09-06 06:17:12] [info] LRF_ERR001 -> 14
[2025-09-06 06:17:12] [info] DB_WARN002 -> 59
[2025-09-06 06:17:12] [info] DB_WARN003 -> 56
[2025-09-06 06:17:12] [info] DRC_ERR9 -> 1001
[2025-09-06 06:17:12] [info] DRC_ERR2 -> 1
[2025-09-06 06:17:12] [info] DRC_ERR5 -> 3
[2025-09-06 06:17:12] [info] DRC_ERR1 -> 1
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info]                Rule Violation Summary
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:17:12] [info] |-----|-----|-----|
[2025-09-06 06:17:12] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:17:12] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1           |
[2025-09-06 06:17:12] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1           |
[2025-09-06 06:17:12] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:17:12] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 1           |
[2025-09-06 06:17:12] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 1001        |
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info]                Performance Metrics
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] | Stage          | Time Taken |
[2025-09-06 06:17:12] [info] |-----|-----|
[2025-09-06 06:17:12] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-09-06 06:17:12] [info] | Rule Checking  | 0 minutes 0 seconds |
[2025-09-06 06:17:12] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info]                Summary
[2025-09-06 06:17:12] [info] -----
[2025-09-06 06:17:12] [info] Total Errors:    1020
[2025-09-06 06:17:12] [info] Total Warnings:  116
[2025-09-06 06:17:12] [info] DRC Status:      FAILED

```

```

[2025-09-06 06:23:46] [info] =====
[2025-09-06 06:23:46] [info]                Design Rule Check Report
[2025-09-06 06:23:46] [info] =====

[2025-09-06 06:23:46] [info] Report Generated:    2025-09-06
[2025-09-06 06:23:46] [info] Run Start Time:      06:22:24 AM
[2025-09-06 06:23:46] [info] Run End Time:        06:23:46 AM
[2025-09-06 06:23:46] [info] Time Taken:          1 minutes 27 seconds

[2025-09-06 06:23:46] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:23:46] [info] Host Name:           kuro-Workstation
[2025-09-06 06:23:46] [info] User Name:           kuro
[2025-09-06 06:23:46] [info] Cores Used:          1
[2025-09-06 06:23:46] [info] Memory Utilized:     3377.82 MB / 62.569705963134766 GB

[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info]                Top Cell Information
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 06:23:46] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:23:46] [info] Database Format:       GDSII
[2025-09-06 06:23:46] [info] Verification Mode:    Full Check

[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info]                Type of Errors | Count
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info] DB_WARN -> 1
[2025-09-06 06:23:46] [info] LRF_ERR001 -> 14
[2025-09-06 06:23:46] [info] DB_WARN002 -> 251
[2025-09-06 06:23:46] [info] DB_WARN003 -> 251
[2025-09-06 06:23:46] [info] DRC_ERR -> 66
[2025-09-06 06:23:46] [info] DRC_ERR4 -> 139
[2025-09-06 06:23:46] [info] DRC_ERR9 -> 797
[2025-09-06 06:23:46] [info] DRC_ERR2 -> 1
[2025-09-06 06:23:46] [info] DRC_ERR5 -> 3
[2025-09-06 06:23:46] [info] DRC_ERR1 -> 1
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info]                Rule Violation Summary
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:23:46] [info] |-----|-----|-----|
[2025-09-06 06:23:46] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:23:46] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:23:46] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:23:46] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:23:46] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:23:46] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 796 |
[2025-09-06 06:23:46] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:23:46] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 6 |
[2025-09-06 06:23:46] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 133 |
[2025-09-06 06:23:46] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 66 |
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info]                Performance Metrics
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info] | Stage | Time Taken |
[2025-09-06 06:23:46] [info] |-----|-----|
[2025-09-06 06:23:46] [info] | GDS Parsing | 0 minutes 5 seconds |
[2025-09-06 06:23:46] [info] | Rule Checking | 1 minutes 21 seconds |
[2025-09-06 06:23:46] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:23:46] [info] -----

```

```
[2025-09-06 06:23:46] [info]          Summary
[2025-09-06 06:23:46] [info] -----
[2025-09-06 06:23:46] [info] Total Errors:   1021
[2025-09-06 06:23:46] [info] Total Warnings:    503
[2025-09-06 06:23:46] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:25:18] [info] =====
[2025-09-06 06:25:18] [info]                Design Rule Check Report
[2025-09-06 06:25:18] [info] =====

[2025-09-06 06:25:18] [info] Report Generated:    2025-09-06
[2025-09-06 06:25:18] [info] Run Start Time:      06:23:54 AM
[2025-09-06 06:25:18] [info] Run End Time:        06:25:18 AM
[2025-09-06 06:25:18] [info] Time Taken:          1 minutes 30 seconds

[2025-09-06 06:25:18] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:25:18] [info] Host Name:           kuro-Workstation
[2025-09-06 06:25:18] [info] User Name:           kuro
[2025-09-06 06:25:18] [info] Cores Used:          1
[2025-09-06 06:25:18] [info] Memory Utilized:     3422.23 MB / 62.569705963134766 GB

[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info]                Top Cell Information
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 06:25:18] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:25:18] [info] Database Format:       GDSII
[2025-09-06 06:25:18] [info] Verification Mode:    Full Check

[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info]                Type of Errors | Count
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info] DB_WARN -> 1
[2025-09-06 06:25:18] [info] LRF_ERR001 -> 14
[2025-09-06 06:25:18] [info] DB_WARN002 -> 249
[2025-09-06 06:25:18] [info] DB_WARN003 -> 249
[2025-09-06 06:25:18] [info] DRC_ERR -> 62
[2025-09-06 06:25:18] [info] DRC_ERR4 -> 137
[2025-09-06 06:25:18] [info] DRC_ERR9 -> 803
[2025-09-06 06:25:18] [info] DRC_ERR2 -> 1
[2025-09-06 06:25:18] [info] DRC_ERR5 -> 3
[2025-09-06 06:25:18] [info] DRC_ERR1 -> 1
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info]                Rule Violation Summary
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:25:18] [info] |-----|-----|-----|
[2025-09-06 06:25:18] [info] | m5.1         | "m5.1 : min. m5 width : 1.6um" | 1           |
[2025-09-06 06:25:18] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:25:18] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1           |
[2025-09-06 06:25:18] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1           |
[2025-09-06 06:25:18] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 1           |
[2025-09-06 06:25:18] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 802         |
[2025-09-06 06:25:18] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1           |
[2025-09-06 06:25:18] [info] | licon.15     | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 4           |
[2025-09-06 06:25:18] [info] | licon.5      | "licon.5 : min. diff enclosure of licon : 0.04um" | 133         |
[2025-09-06 06:25:18] [info] | poly.7       | "poly.7 : min. source/drain length : 0.25um" | 62          |
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info]                Performance Metrics
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info] | Stage          | Time Taken |
[2025-09-06 06:25:18] [info] |-----|-----|
[2025-09-06 06:25:18] [info] | GDS Parsing    | 0 minutes 5 seconds |
[2025-09-06 06:25:18] [info] | Rule Checking  | 1 minutes 23 seconds |
[2025-09-06 06:25:18] [info] | Report Generation | 0 minutes 0 seconds |
[2025-09-06 06:25:18] [info] -----

```

```
[2025-09-06 06:25:18] [info]          Summary
[2025-09-06 06:25:18] [info] -----
[2025-09-06 06:25:18] [info] Total Errors:   1021
[2025-09-06 06:25:18] [info] Total Warnings:    499
[2025-09-06 06:25:18] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:26:43] [info] =====
[2025-09-06 06:26:43] [info]                Design Rule Check Report
[2025-09-06 06:26:43] [info] =====

[2025-09-06 06:26:43] [info] Report Generated:    2025-09-06
[2025-09-06 06:26:43] [info] Run Start Time:      06:25:25 AM
[2025-09-06 06:26:43] [info] Run End Time:        06:26:43 AM
[2025-09-06 06:26:43] [info] Time Taken:          1 minutes 24 seconds

[2025-09-06 06:26:43] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:26:43] [info] Host Name:           kuro-Workstation
[2025-09-06 06:26:43] [info] User Name:           kuro
[2025-09-06 06:26:43] [info] Cores Used:          1
[2025-09-06 06:26:43] [info] Memory Utilized:     3238.87 MB / 62.569705963134766 GB

[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info]                Top Cell Information
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 06:26:43] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:26:43] [info] Database Format:       GDSII
[2025-09-06 06:26:43] [info] Verification Mode:    Full Check

[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info]                Type of Errors | Count
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info] DB_WARN -> 1
[2025-09-06 06:26:43] [info] LRF_ERR001 -> 14
[2025-09-06 06:26:43] [info] DB_WARN002 -> 253
[2025-09-06 06:26:43] [info] DB_WARN003 -> 251
[2025-09-06 06:26:43] [info] DRC_ERR -> 58
[2025-09-06 06:26:43] [info] DRC_ERR4 -> 140
[2025-09-06 06:26:43] [info] DRC_ERR9 -> 804
[2025-09-06 06:26:43] [info] DRC_ERR2 -> 1
[2025-09-06 06:26:43] [info] DRC_ERR5 -> 3
[2025-09-06 06:26:43] [info] DRC_ERR1 -> 1
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info]                Rule Violation Summary
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:26:43] [info] |-----|-----|-----|
[2025-09-06 06:26:43] [info] | m5.1          | "m5.1 : min. m5 width : 1.6um" | 1            |
[2025-09-06 06:26:43] [info] | m4.5          | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1            |
[2025-09-06 06:26:43] [info] | m4.5ab        | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1            |
[2025-09-06 06:26:43] [info] | via1.5b       | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1            |
[2025-09-06 06:26:43] [info] | m1.2          | "m1.2 : min. m1 spacing : 0.14um" | 1            |
[2025-09-06 06:26:43] [info] | m1.1          | "m1.1 : min. m1 width : 0.14um" | 803          |
[2025-09-06 06:26:43] [info] | via1.5a       | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1            |
[2025-09-06 06:26:43] [info] | licon.15      | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 4            |
[2025-09-06 06:26:43] [info] | licon.5       | "licon.5 : min. diff enclosure of licon : 0.04um" | 136          |
[2025-09-06 06:26:43] [info] | poly.7        | "poly.7 : min. source/drain length : 0.25um" | 58           |
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info]                Performance Metrics
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info] | Stage          | Time Taken |
[2025-09-06 06:26:43] [info] |-----|-----|
[2025-09-06 06:26:43] [info] | GDS Parsing    | 0 minutes 5 seconds |
[2025-09-06 06:26:43] [info] | Rule Checking  | 1 minutes 17 seconds |
[2025-09-06 06:26:43] [info] | Report Generation | 0 minutes 0 seconds |
[2025-09-06 06:26:43] [info] -----

```

```
[2025-09-06 06:26:43] [info] Summary
[2025-09-06 06:26:43] [info] -----
[2025-09-06 06:26:43] [info] Total Errors: 1021
[2025-09-06 06:26:43] [info] Total Warnings: 505
[2025-09-06 06:26:43] [info] DRC Status: FAILED
```

```

[2025-09-06 06:31:19] [info] =====
[2025-09-06 06:31:19] [info]                Design Rule Check Report
[2025-09-06 06:31:19] [info] =====

[2025-09-06 06:31:19] [info] Report Generated:    2025-09-06
[2025-09-06 06:31:19] [info] Run Start Time:      06:27:01 AM
[2025-09-06 06:31:19] [info] Run End Time:        06:31:19 AM
[2025-09-06 06:31:19] [info] Time Taken:          4 minutes 34 seconds

[2025-09-06 06:31:19] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:31:19] [info] Host Name:           kuro-Workstation
[2025-09-06 06:31:19] [info] User Name:           kuro
[2025-09-06 06:31:19] [info] Cores Used:          1
[2025-09-06 06:31:19] [info] Memory Utilized:     8618.29 MB / 62.569705963134766 GB

[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info]                Top Cell Information
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 06:31:19] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:31:19] [info] Database Format:       GDSII
[2025-09-06 06:31:19] [info] Verification Mode:    Full Check

[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info]                Type of Errors | Count
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info] DB_WARN -> 1
[2025-09-06 06:31:19] [info] LRF_ERR001 -> 14
[2025-09-06 06:31:19] [info] DB_WARN002 -> 159
[2025-09-06 06:31:19] [info] DB_WARN003 -> 161
[2025-09-06 06:31:19] [info] DRC_ERR -> 4
[2025-09-06 06:31:19] [info] DRC_ERR4 -> 133
[2025-09-06 06:31:19] [info] DRC_ERR9 -> 865
[2025-09-06 06:31:19] [info] DRC_ERR2 -> 1
[2025-09-06 06:31:19] [info] DRC_ERR5 -> 3
[2025-09-06 06:31:19] [info] DRC_ERR1 -> 1
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info]                Rule Violation Summary
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:31:19] [info] |-----|-----|-----|
[2025-09-06 06:31:19] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:31:19] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:31:19] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:31:19] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:31:19] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:31:19] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 864 |
[2025-09-06 06:31:19] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:31:19] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 2 |
[2025-09-06 06:31:19] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 131 |
[2025-09-06 06:31:19] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 4 |
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info]                Performance Metrics
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info] | Stage | Time Taken |
[2025-09-06 06:31:19] [info] |-----|-----|
[2025-09-06 06:31:19] [info] | GDS Parsing | 0 minutes 16 seconds |
[2025-09-06 06:31:19] [info] | Rule Checking | 4 minutes 17 seconds |
[2025-09-06 06:31:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:31:19] [info] -----

```

```
[2025-09-06 06:31:19] [info] Summary
[2025-09-06 06:31:19] [info] -----
[2025-09-06 06:31:19] [info] Total Errors:   1021
[2025-09-06 06:31:19] [info] Total Warnings:      321
[2025-09-06 06:31:19] [info] DRC Status:         FAILED
```

```

[2025-09-06 06:36:19] [info] =====
[2025-09-06 06:36:19] [info] Design Rule Check Report
[2025-09-06 06:36:19] [info] =====

[2025-09-06 06:36:19] [info] Report Generated: 2025-09-06
[2025-09-06 06:36:19] [info] Run Start Time: 06:31:44 AM
[2025-09-06 06:36:19] [info] Run End Time: 06:36:18 AM
[2025-09-06 06:36:19] [info] Time Taken: 4 minutes 55 seconds

[2025-09-06 06:36:19] [info] Tool Version: LVR_2025.1
[2025-09-06 06:36:19] [info] Host Name: kuro-Workstation
[2025-09-06 06:36:19] [info] User Name: kuro
[2025-09-06 06:36:19] [info] Cores Used: 1
[2025-09-06 06:36:19] [info] Memory Utilized: 10185.84 MB / 62.569705963134766 GB

[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Top Cell Information
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 06:36:19] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:36:19] [info] Database Format: GDSII
[2025-09-06 06:36:19] [info] Verification Mode: Full Check

[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Type of Errors | Count
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] DB_WARN -> 1
[2025-09-06 06:36:19] [info] LRF_ERR001 -> 14
[2025-09-06 06:36:19] [info] DB_WARN002 -> 157
[2025-09-06 06:36:19] [info] DB_WARN003 -> 159
[2025-09-06 06:36:19] [info] DRC_ERR4 -> 133
[2025-09-06 06:36:19] [info] DRC_ERR9 -> 870
[2025-09-06 06:36:19] [info] DRC_ERR2 -> 1
[2025-09-06 06:36:19] [info] DRC_ERR5 -> 3
[2025-09-06 06:36:19] [info] DRC_ERR1 -> 1
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Rule Violation Summary
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:36:19] [info] |-----|-----|-----|
[2025-09-06 06:36:19] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:36:19] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:36:19] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:36:19] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 1 |
[2025-09-06 06:36:19] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:36:19] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:36:19] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 868 |
[2025-09-06 06:36:19] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:36:19] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 2 |
[2025-09-06 06:36:19] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 131 |
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Performance Metrics
[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] | Stage | Time Taken |
[2025-09-06 06:36:19] [info] |-----|-----|
[2025-09-06 06:36:19] [info] | GDS Parsing | 0 minutes 20 seconds |
[2025-09-06 06:36:19] [info] | Rule Checking | 4 minutes 33 seconds |
[2025-09-06 06:36:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:36:19] [info] -----
[2025-09-06 06:36:19] [info] Summary

```

```
[2025-09-06 06:36:19] [info] -----  
[2025-09-06 06:36:19] [info] Total Errors:    1022  
[2025-09-06 06:36:19] [info] Total Warnings:    317  
[2025-09-06 06:36:19] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:41:02] [info] =====
[2025-09-06 06:41:02] [info] Design Rule Check Report
[2025-09-06 06:41:02] [info] =====

[2025-09-06 06:41:02] [info] Report Generated: 2025-09-06
[2025-09-06 06:41:02] [info] Run Start Time: 06:36:37 AM
[2025-09-06 06:41:02] [info] Run End Time: 06:41:02 AM
[2025-09-06 06:41:02] [info] Time Taken: 4 minutes 38 seconds

[2025-09-06 06:41:02] [info] Tool Version: LVR_2025.1
[2025-09-06 06:41:02] [info] Host Name: kuro-Workstation
[2025-09-06 06:41:02] [info] User Name: kuro
[2025-09-06 06:41:02] [info] Cores Used: 1
[2025-09-06 06:41:02] [info] Memory Utilized: 7553.50 MB / 62.569705963134766 GB

[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Top Cell Information
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 06:41:02] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:41:02] [info] Database Format: GDSII
[2025-09-06 06:41:02] [info] Verification Mode: Full Check

[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Type of Errors | Count
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] DB_WARN -> 1
[2025-09-06 06:41:02] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:02] [info] DB_WARN002 -> 152
[2025-09-06 06:41:02] [info] DB_WARN003 -> 155
[2025-09-06 06:41:02] [info] DRC_ERR -> 2
[2025-09-06 06:41:02] [info] DRC_ERR4 -> 131
[2025-09-06 06:41:02] [info] DRC_ERR9 -> 869
[2025-09-06 06:41:02] [info] DRC_ERR2 -> 1
[2025-09-06 06:41:02] [info] DRC_ERR5 -> 3
[2025-09-06 06:41:02] [info] DRC_ERR1 -> 1
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Rule Violation Summary
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:41:02] [info] |-----|-----|-----|
[2025-09-06 06:41:02] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:41:02] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:41:02] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 1 |
[2025-09-06 06:41:02] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 1 |
[2025-09-06 06:41:02] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 1 |
[2025-09-06 06:41:02] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 1 |
[2025-09-06 06:41:02] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 868 |
[2025-09-06 06:41:02] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 131 |
[2025-09-06 06:41:02] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 2 |
[2025-09-06 06:41:02] [info]
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Performance Metrics
[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] | Stage | Time Taken |
[2025-09-06 06:41:02] [info] |-----|-----|
[2025-09-06 06:41:02] [info] | GDS Parsing | 0 minutes 13 seconds |
[2025-09-06 06:41:02] [info] | Rule Checking | 4 minutes 24 seconds |
[2025-09-06 06:41:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:41:02] [info] -----
[2025-09-06 06:41:02] [info] Summary

```

```
[2025-09-06 06:41:02] [info] -----  
[2025-09-06 06:41:02] [info] Total Errors:    1021  
[2025-09-06 06:41:02] [info] Total Warnings:      308  
[2025-09-06 06:41:02] [info] DRC Status:          FAILED
```

```

[2025-09-06 06:41:27] [info] =====
[2025-09-06 06:41:27] [info]                Design Rule Check Report
[2025-09-06 06:41:27] [info] =====

[2025-09-06 06:41:27] [info] Report Generated:    2025-09-06
[2025-09-06 06:41:27] [info] Run Start Time:      06:41:10 AM
[2025-09-06 06:41:27] [info] Run End Time:        06:41:27 AM
[2025-09-06 06:41:27] [info] Time Taken:          0 minutes 21 seconds

[2025-09-06 06:41:27] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:41:27] [info] Host Name:           kuro-Workstation
[2025-09-06 06:41:27] [info] User Name:           kuro
[2025-09-06 06:41:27] [info] Cores Used:          4
[2025-09-06 06:41:27] [info] Memory Utilized:     3601.03 MB / 62.569705963134766 GB

[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info]                Top Cell Information
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 06:41:27] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:41:27] [info] Database Format:       GDSII
[2025-09-06 06:41:27] [info] Verification Mode:    Full Check

[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info]                Type of Errors | Count
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info] DB_WARN -> 1
[2025-09-06 06:41:27] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:27] [info] DB_WARN002 -> 144
[2025-09-06 06:41:27] [info] DB_WARN003 -> 137
[2025-09-06 06:41:27] [info] DRC_ERR -> 247
[2025-09-06 06:41:27] [info] DRC_ERR4 -> 11
[2025-09-06 06:41:27] [info] DRC_ERR9 -> 756
[2025-09-06 06:41:27] [info] DRC_ERR2 -> 4
[2025-09-06 06:41:27] [info] DRC_ERR5 -> 12
[2025-09-06 06:41:27] [info] DRC_ERR1 -> 4

[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info]                Rule Violation Summary
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:41:27] [info] |-----|-----|-----|
[2025-09-06 06:41:27] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 1 |
[2025-09-06 06:41:27] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:41:27] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 242 |
[2025-09-06 06:41:27] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 3 |
[2025-09-06 06:41:27] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 745 |
[2025-09-06 06:41:27] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:41:27] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 2 |
[2025-09-06 06:41:27] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:41:27] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 2 |
[2025-09-06 06:41:27] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:27] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:27] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:41:27] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:41:27] [info] | li.1 | "li.1 : min. li width : 0.17um" | 3 |
[2025-09-06 06:41:27] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 1 |
[2025-09-06 06:41:27] [info]
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info]                Performance Metrics
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info] | Stage | Time Taken |
[2025-09-06 06:41:27] [info] |-----|-----|

```

```
[2025-09-06 06:41:27] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:41:27] [info] | Rule Checking       | 0 minutes 16 seconds |
[2025-09-06 06:41:27] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info]                Summary
[2025-09-06 06:41:27] [info] -----
[2025-09-06 06:41:27] [info] Total Errors:    1048
[2025-09-06 06:41:27] [info] Total Warnings:    282
[2025-09-06 06:41:27] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:41:52] [info] =====
[2025-09-06 06:41:52] [info] Design Rule Check Report
[2025-09-06 06:41:52] [info] =====

[2025-09-06 06:41:52] [info] Report Generated: 2025-09-06
[2025-09-06 06:41:52] [info] Run Start Time: 06:41:32 AM
[2025-09-06 06:41:52] [info] Run End Time: 06:41:52 AM
[2025-09-06 06:41:52] [info] Time Taken: 0 minutes 24 seconds

[2025-09-06 06:41:52] [info] Tool Version: LVR_2025.1
[2025-09-06 06:41:52] [info] Host Name: kuro-Workstation
[2025-09-06 06:41:52] [info] User Name: kuro
[2025-09-06 06:41:52] [info] Cores Used: 4
[2025-09-06 06:41:52] [info] Memory Utilized: 4108.47 MB / 62.569705963134766 GB

[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Top Cell Information
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 06:41:52] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:41:52] [info] Database Format: GDSII
[2025-09-06 06:41:52] [info] Verification Mode: Full Check

[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Type of Errors | Count
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] DB_WARN -> 1
[2025-09-06 06:41:52] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:52] [info] DB_WARN002 -> 141
[2025-09-06 06:41:52] [info] DB_WARN003 -> 135
[2025-09-06 06:41:52] [info] DRC_ERR -> 259
[2025-09-06 06:41:52] [info] DRC_ERR5 -> 15
[2025-09-06 06:41:52] [info] DRC_ERR9 -> 741
[2025-09-06 06:41:52] [info] DRC_ERR2 -> 4
[2025-09-06 06:41:52] [info] DRC_ERR1 -> 4
[2025-09-06 06:41:52] [info] DRC_ERR4 -> 13
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Rule Violation Summary
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:41:52] [info] |-----|-----|-----|
[2025-09-06 06:41:52] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 12 |
[2025-09-06 06:41:52] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 242 |
[2025-09-06 06:41:52] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 3 |
[2025-09-06 06:41:52] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 737 |
[2025-09-06 06:41:52] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:41:52] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:41:52] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:52] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:41:52] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:52] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:41:52] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 3 |
[2025-09-06 06:41:52] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 1 |
[2025-09-06 06:41:52] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 13 |
[2025-09-06 06:41:52] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 1 |
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Performance Metrics
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] | Stage | Time Taken |
[2025-09-06 06:41:52] [info] |-----|-----|
[2025-09-06 06:41:52] [info] | GDS Parsing | 0 minutes 4 seconds |

```

```
[2025-09-06 06:41:52] [info] | Rule Checking          | 0 minutes 19 seconds |
[2025-09-06 06:41:52] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info]                      Summary
[2025-09-06 06:41:52] [info] -----
[2025-09-06 06:41:52] [info] Total Errors:      1050
[2025-09-06 06:41:52] [info] Total Warnings:    277
[2025-09-06 06:41:52] [info] DRC Status:        FAILED
```

```

[2025-09-06 06:42:14] [info] =====
[2025-09-06 06:42:14] [info]           Design Rule Check Report
[2025-09-06 06:42:14] [info] =====

[2025-09-06 06:42:14] [info] Report Generated:    2025-09-06
[2025-09-06 06:42:14] [info] Run Start Time:      06:41:57 AM
[2025-09-06 06:42:14] [info] Run End Time:        06:42:14 AM
[2025-09-06 06:42:14] [info] Time Taken:          0 minutes 20 seconds

[2025-09-06 06:42:14] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:42:14] [info] Host Name:           kuro-Workstation
[2025-09-06 06:42:14] [info] User Name:           kuro
[2025-09-06 06:42:14] [info] Cores Used:          4
[2025-09-06 06:42:14] [info] Memory Utilized:     3043.93 MB / 62.569705963134766 GB

[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info]           Top Cell Information
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 06:42:14] [info] Technology Node:     SKY130HD (130nm)
[2025-09-06 06:42:14] [info] Database Format:      GDSII
[2025-09-06 06:42:14] [info] Verification Mode:   Full Check

[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info]           Type of Errors | Count
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info] DB_WARN -> 1
[2025-09-06 06:42:14] [info] LRF_ERR001 -> 14
[2025-09-06 06:42:14] [info] DB_WARN002 -> 138
[2025-09-06 06:42:14] [info] DB_WARN003 -> 132
[2025-09-06 06:42:14] [info] DRC_ERR -> 232
[2025-09-06 06:42:14] [info] DRC_ERR9 -> 773
[2025-09-06 06:42:14] [info] DRC_ERR2 -> 4
[2025-09-06 06:42:14] [info] DRC_ERR5 -> 12
[2025-09-06 06:42:14] [info] DRC_ERR1 -> 4
[2025-09-06 06:42:14] [info] DRC_ERR4 -> 11
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info]           Rule Violation Summary
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:42:14] [info] |-----|-----|-----|
[2025-09-06 06:42:14] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 2 |
[2025-09-06 06:42:14] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 2 |
[2025-09-06 06:42:14] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:42:14] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:42:14] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:42:14] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:42:14] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:42:14] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:42:14] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 4 |
[2025-09-06 06:42:14] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:42:14] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 767 |
[2025-09-06 06:42:14] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 226 |
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info]           Performance Metrics
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info] | Stage | Time Taken |
[2025-09-06 06:42:14] [info] |-----|-----|
[2025-09-06 06:42:14] [info] | GDS Parsing | 0 minutes 3 seconds |
[2025-09-06 06:42:14] [info] | Rule Checking | 0 minutes 16 seconds |
[2025-09-06 06:42:14] [info] | Report Generation | 0 minutes 0 seconds |

```

```
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info]             Summary
[2025-09-06 06:42:14] [info] -----
[2025-09-06 06:42:14] [info] Total Errors:   1050
[2025-09-06 06:42:14] [info] Total Warnings:    271
[2025-09-06 06:42:14] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:41:05] [info] =====
[2025-09-06 06:41:05] [info] Design Rule Check Report
[2025-09-06 06:41:05] [info] =====

[2025-09-06 06:41:05] [info] Report Generated: 2025-09-06
[2025-09-06 06:41:05] [info] Run Start Time: 06:41:05 AM
[2025-09-06 06:41:05] [info] Run End Time: 06:41:05 AM
[2025-09-06 06:41:05] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:41:05] [info] Tool Version: LVR_2025.1
[2025-09-06 06:41:05] [info] Host Name: kuro-Workstation
[2025-09-06 06:41:05] [info] User Name: kuro
[2025-09-06 06:41:05] [info] Cores Used: 4
[2025-09-06 06:41:05] [info] Memory Utilized: 50.06 MB / 62.569705963134766 GB

[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Top Cell Information
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 06:41:05] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:41:05] [info] Database Format: GDSII
[2025-09-06 06:41:05] [info] Verification Mode: Full Check

[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Type of Errors | Count
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] DB_WARN -> 1
[2025-09-06 06:41:05] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:05] [info] DB_WARN002 -> 58
[2025-09-06 06:41:05] [info] DB_WARN003 -> 55
[2025-09-06 06:41:05] [info] DRC_ERR4 -> 5
[2025-09-06 06:41:05] [info] DRC_ERR9 -> 999
[2025-09-06 06:41:05] [info] DRC_ERR5 -> 10
[2025-09-06 06:41:05] [info] DRC_ERR2 -> 4
[2025-09-06 06:41:05] [info] DRC_ERR -> 1
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Rule Violation Summary
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:41:05] [info] |-----|-----|-----|
[2025-09-06 06:41:05] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:41:05] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um2" | 1 |
[2025-09-06 06:41:05] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:41:05] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 2 |
[2025-09-06 06:41:05] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 987 |
[2025-09-06 06:41:05] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 2 |
[2025-09-06 06:41:05] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 5 |
[2025-09-06 06:41:05] [info] | li.1 | "li.1 : min. li width : 0.17um" | 5 |
[2025-09-06 06:41:05] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:05] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 5 |
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Performance Metrics
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] | Stage | Time Taken |
[2025-09-06 06:41:05] [info] |-----|-----|
[2025-09-06 06:41:05] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:41:05] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:41:05] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Summary

```

```
[2025-09-06 06:41:05] [info] -----  
[2025-09-06 06:41:05] [info] Total Errors:    1033  
[2025-09-06 06:41:05] [info] Total Warnings:      114  
[2025-09-06 06:41:05] [info] DRC Status:          FAILED
```

```

[2025-09-06 06:41:05] [info] =====
[2025-09-06 06:41:05] [info]           Design Rule Check Report
[2025-09-06 06:41:05] [info] =====

[2025-09-06 06:41:05] [info] Report Generated:    2025-09-06
[2025-09-06 06:41:05] [info] Run Start Time:      06:41:05 AM
[2025-09-06 06:41:05] [info] Run End Time:        06:41:05 AM
[2025-09-06 06:41:05] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:41:05] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:41:05] [info] Host Name:           kuro-Workstation
[2025-09-06 06:41:05] [info] User Name:           kuro
[2025-09-06 06:41:05] [info] Cores Used:          4
[2025-09-06 06:41:05] [info] Memory Utilized:     52.89 MB / 62.569705963134766 GB

[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info]           Top Cell Information
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 06:41:05] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:41:05] [info] Database Format:       GDSII
[2025-09-06 06:41:05] [info] Verification Mode:    Full Check

[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info]           Type of Errors | Count
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] DB_WARN -> 1
[2025-09-06 06:41:05] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:05] [info] DB_WARN002 -> 59
[2025-09-06 06:41:05] [info] DB_WARN003 -> 56
[2025-09-06 06:41:05] [info] DRC_ERR9 -> 1006
[2025-09-06 06:41:05] [info] DRC_ERR -> 3
[2025-09-06 06:41:05] [info] DRC_ERR2 -> 4
[2025-09-06 06:41:05] [info] DRC_ERR5 -> 10
[2025-09-06 06:41:05] [info] DRC_ERR1 -> 2
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info]           Rule Violation Summary
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:41:05] [info] |-----|-----|-----|
[2025-09-06 06:41:05] [info] | m3.6         | "m3.6 : min. m3 area : 0.24um^2" | 1           |
[2025-09-06 06:41:05] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 2           |
[2025-09-06 06:41:05] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4           |
[2025-09-06 06:41:05] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 2           |
[2025-09-06 06:41:05] [info] | m1.6         | "m1.6 : min. m1 area : 0.083um^2" | 1           |
[2025-09-06 06:41:05] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 4           |
[2025-09-06 06:41:05] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4           |
[2025-09-06 06:41:05] [info] | li.6         | "li.6 : min. li area : 0.0561um^2" | 1           |
[2025-09-06 06:41:05] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 1002        |
[2025-09-06 06:41:05] [info] | li.1a        | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 2           |
[2025-09-06 06:41:05] [info] | li.1         | "li.1 : min. li width : 0.17um" | 2           |
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info]           Performance Metrics
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] | Stage          | Time Taken |
[2025-09-06 06:41:05] [info] |-----|-----|
[2025-09-06 06:41:05] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-09-06 06:41:05] [info] | Rule Checking   | 0 minutes 0 seconds |
[2025-09-06 06:41:05] [info] | Report Generation | 0 minutes 0 seconds |
[2025-09-06 06:41:05] [info] -----

```

```
[2025-09-06 06:41:05] [info] Summary
[2025-09-06 06:41:05] [info] -----
[2025-09-06 06:41:05] [info] Total Errors: 1039
[2025-09-06 06:41:05] [info] Total Warnings: 116
[2025-09-06 06:41:05] [info] DRC Status: FAILED
```

```

[2025-09-06 06:41:06] [info] =====
[2025-09-06 06:41:06] [info] Design Rule Check Report
[2025-09-06 06:41:06] [info] =====

[2025-09-06 06:41:06] [info] Report Generated: 2025-09-06
[2025-09-06 06:41:06] [info] Run Start Time: 06:41:06 AM
[2025-09-06 06:41:06] [info] Run End Time: 06:41:06 AM
[2025-09-06 06:41:06] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:41:06] [info] Tool Version: LVR_2025.1
[2025-09-06 06:41:06] [info] Host Name: kuro-Workstation
[2025-09-06 06:41:06] [info] User Name: kuro
[2025-09-06 06:41:06] [info] Cores Used: 4
[2025-09-06 06:41:06] [info] Memory Utilized: 44.18 MB / 62.569705963134766 GB

[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Top Cell Information
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 06:41:06] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:41:06] [info] Database Format: GDSII
[2025-09-06 06:41:06] [info] Verification Mode: Full Check

[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Type of Errors | Count
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] DB_WARN -> 1
[2025-09-06 06:41:06] [info] LRF_ERR001 -> 14
[2025-09-06 06:41:06] [info] DB_WARN002 -> 59
[2025-09-06 06:41:06] [info] DB_WARN003 -> 56
[2025-09-06 06:41:06] [info] DRC_ERR9 -> 1004
[2025-09-06 06:41:06] [info] DRC_ERR2 -> 4
[2025-09-06 06:41:06] [info] DRC_ERR5 -> 10
[2025-09-06 06:41:06] [info] DRC_ERR -> 2
[2025-09-06 06:41:06] [info] DRC_ERR1 -> 2
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Rule Violation Summary
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:41:06] [info] |-----|-----|-----|
[2025-09-06 06:41:06] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 2 |
[2025-09-06 06:41:06] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 2 |
[2025-09-06 06:41:06] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 2 |
[2025-09-06 06:41:06] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:41:06] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:41:06] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:41:06] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 1004 |
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Performance Metrics
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] | Stage | Time Taken |
[2025-09-06 06:41:06] [info] |-----|-----|
[2025-09-06 06:41:06] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:41:06] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:41:06] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Summary
[2025-09-06 06:41:06] [info] -----
[2025-09-06 06:41:06] [info] Total Errors: 1036
[2025-09-06 06:41:06] [info] Total Warnings: 116

```

[2025-09-06 06:41:06] [info] DRC Status: FAILED

```

[2025-09-06 06:42:38] [info] =====
[2025-09-06 06:42:38] [info] Design Rule Check Report
[2025-09-06 06:42:38] [info] =====

[2025-09-06 06:42:38] [info] Report Generated: 2025-09-06
[2025-09-06 06:42:38] [info] Run Start Time: 06:42:18 AM
[2025-09-06 06:42:38] [info] Run End Time: 06:42:38 AM
[2025-09-06 06:42:38] [info] Time Taken: 0 minutes 23 seconds

[2025-09-06 06:42:38] [info] Tool Version: LVR_2025.1
[2025-09-06 06:42:38] [info] Host Name: kuro-Workstation
[2025-09-06 06:42:38] [info] User Name: kuro
[2025-09-06 06:42:38] [info] Cores Used: 4
[2025-09-06 06:42:38] [info] Memory Utilized: 3351.39 MB / 62.569705963134766 GB

[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Top Cell Information
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Layout Top Cell: ibex_core1_sky130hd
[2025-09-06 06:42:38] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:42:38] [info] Database Format: GDSII
[2025-09-06 06:42:38] [info] Verification Mode: Full Check

[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Type of Errors | Count
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] DB_WARN -> 1
[2025-09-06 06:42:38] [info] LRF_ERR001 -> 14
[2025-09-06 06:42:38] [info] DB_WARN002 -> 251
[2025-09-06 06:42:38] [info] DB_WARN003 -> 251
[2025-09-06 06:42:38] [info] DRC_ERR -> 84
[2025-09-06 06:42:38] [info] DRC_ERR9 -> 766
[2025-09-06 06:42:38] [info] DRC_ERR4 -> 145
[2025-09-06 06:42:38] [info] DRC_ERR5 -> 32
[2025-09-06 06:42:38] [info] DRC_ERR2 -> 4
[2025-09-06 06:42:38] [info] DRC_ERR1 -> 4
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Rule Violation Summary
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:42:38] [info] |-----|-----|-----|
[2025-09-06 06:42:38] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 1 |
[2025-09-06 06:42:38] [info] | m2.6 | "m2.6 : min. m2 area : 0.0676um^2" | 1 |
[2025-09-06 06:42:38] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 1 |
[2025-09-06 06:42:38] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:42:38] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 78 |
[2025-09-06 06:42:38] [info] | psdm.1 | "psdm.1 : min. psdm width : 0.38um" | 4 |
[2025-09-06 06:42:38] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 135 |
[2025-09-06 06:42:38] [info] | li.1 | "li.1 : min. li width : 0.17um" | 7 |
[2025-09-06 06:42:38] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 6 |
[2025-09-06 06:42:38] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 20 |
[2025-09-06 06:42:38] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 745 |
[2025-09-06 06:42:38] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 10 |
[2025-09-06 06:42:38] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:42:38] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 3 |
[2025-09-06 06:42:38] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:42:38] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:42:38] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:42:38] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Performance Metrics

```

```
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] | Stage                | Time Taken |
[2025-09-06 06:42:38] [info] |-----|-----|
[2025-09-06 06:42:38] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:42:38] [info] | Rule Checking        | 0 minutes 19 seconds |
[2025-09-06 06:42:38] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info]                Summary
[2025-09-06 06:42:38] [info] -----
[2025-09-06 06:42:38] [info] Total Errors:    1049
[2025-09-06 06:42:38] [info] Total Warnings:      503
[2025-09-06 06:42:38] [info] DRC Status:      FAILED
```

[2025-09-06 06:43:05] [info] =====
[2025-09-06 06:43:05] [info] Design Rule Check Report
[2025-09-06 06:43:05] [info] =====

[2025-09-06 06:43:05] [info] Report Generated: 2025-09-06
[2025-09-06 06:43:05] [info] Run Start Time: 06:42:42 AM
[2025-09-06 06:43:05] [info] Run End Time: 06:43:05 AM
[2025-09-06 06:43:05] [info] Time Taken: 0 minutes 26 seconds

[2025-09-06 06:43:05] [info] Tool Version: LVR_2025.1
[2025-09-06 06:43:05] [info] Host Name: kuro-Workstation
[2025-09-06 06:43:05] [info] User Name: kuro
[2025-09-06 06:43:05] [info] Cores Used: 4
[2025-09-06 06:43:05] [info] Memory Utilized: 3366.57 MB / 62.569705963134766 GB

[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Top Cell Information
[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-09-06 06:43:05] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:43:05] [info] Database Format: GDSII
[2025-09-06 06:43:05] [info] Verification Mode: Full Check

[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Type of Errors | Count
[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] DB_WARN -> 1
[2025-09-06 06:43:05] [info] LRF_ERR001 -> 14
[2025-09-06 06:43:05] [info] DB_WARN002 -> 249
[2025-09-06 06:43:05] [info] DB_WARN003 -> 249
[2025-09-06 06:43:05] [info] DRC_ERR9 -> 703
[2025-09-06 06:43:05] [info] DRC_ERR -> 168
[2025-09-06 06:43:05] [info] DRC_ERR4 -> 137
[2025-09-06 06:43:05] [info] DRC_ERR5 -> 21
[2025-09-06 06:43:05] [info] DRC_ERR2 -> 4
[2025-09-06 06:43:05] [info] DRC_ERR1 -> 4

[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Rule Violation Summary
[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:43:05] [info] |-----|-----|-----|
[2025-09-06 06:43:05] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 7 |
[2025-09-06 06:43:05] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:43:05] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 2 |
[2025-09-06 06:43:05] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 22 |
[2025-09-06 06:43:05] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 162 |
[2025-09-06 06:43:05] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 1 |
[2025-09-06 06:43:05] [info] | psdm.1 | "psdm.1 : min. psdm width : 0.38um" | 9 |
[2025-09-06 06:43:05] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 133 |
[2025-09-06 06:43:05] [info] | li.1 | "li.1 : min. li width : 0.17um" | 26 |
[2025-09-06 06:43:05] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:43:05] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:43:05] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:43:05] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 14 |
[2025-09-06 06:43:05] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 9 |
[2025-09-06 06:43:05] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 621 |
[2025-09-06 06:43:05] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 4 |
[2025-09-06 06:43:05] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:43:05] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 3 |
[2025-09-06 06:43:05] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:43:05] [info] |
[2025-09-06 06:43:05] [info] -----

```
[2025-09-06 06:43:05] [info] Performance Metrics
[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] | Stage | Time Taken |
[2025-09-06 06:43:05] [info] |-----|-----|
[2025-09-06 06:43:05] [info] | GDS Parsing | 0 minutes 3 seconds |
[2025-09-06 06:43:05] [info] | Rule Checking | 0 minutes 22 seconds |
[2025-09-06 06:43:05] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Summary
[2025-09-06 06:43:05] [info] -----
[2025-09-06 06:43:05] [info] Total Errors: 1051
[2025-09-06 06:43:05] [info] Total Warnings: 499
[2025-09-06 06:43:05] [info] DRC Status: FAILED
```

```

[2025-09-06 06:43:29] [info] =====
[2025-09-06 06:43:29] [info] Design Rule Check Report
[2025-09-06 06:43:29] [info] =====

[2025-09-06 06:43:29] [info] Report Generated: 2025-09-06
[2025-09-06 06:43:29] [info] Run Start Time: 06:43:10 AM
[2025-09-06 06:43:29] [info] Run End Time: 06:43:29 AM
[2025-09-06 06:43:29] [info] Time Taken: 0 minutes 23 seconds

[2025-09-06 06:43:29] [info] Tool Version: LVR_2025.1
[2025-09-06 06:43:29] [info] Host Name: kuro-Workstation
[2025-09-06 06:43:29] [info] User Name: kuro
[2025-09-06 06:43:29] [info] Cores Used: 4
[2025-09-06 06:43:29] [info] Memory Utilized: 3255.98 MB / 62.569705963134766 GB

[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Top Cell Information
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 06:43:29] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:43:29] [info] Database Format: GDSII
[2025-09-06 06:43:29] [info] Verification Mode: Full Check

[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Type of Errors | Count
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] DB_WARN -> 1
[2025-09-06 06:43:29] [info] LRF_ERR001 -> 14
[2025-09-06 06:43:29] [info] DB_WARN002 -> 253
[2025-09-06 06:43:29] [info] DB_WARN003 -> 251
[2025-09-06 06:43:29] [info] DRC_ERR -> 83
[2025-09-06 06:43:29] [info] DRC_ERR4 -> 140
[2025-09-06 06:43:29] [info] DRC_ERR9 -> 790
[2025-09-06 06:43:29] [info] DRC_ERR2 -> 4
[2025-09-06 06:43:29] [info] DRC_ERR5 -> 12
[2025-09-06 06:43:29] [info] DRC_ERR1 -> 4

[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Rule Violation Summary
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:43:29] [info] |-----|-----|-----|
[2025-09-06 06:43:29] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 7 |
[2025-09-06 06:43:29] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 2 |
[2025-09-06 06:43:29] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 78 |
[2025-09-06 06:43:29] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 136 |
[2025-09-06 06:43:29] [info] | li.1 | "li.1 : min. li width : 0.17um" | 14 |
[2025-09-06 06:43:29] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 751 |
[2025-09-06 06:43:29] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 14 |
[2025-09-06 06:43:29] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 4 |
[2025-09-06 06:43:29] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 4 |
[2025-09-06 06:43:29] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 4 |
[2025-09-06 06:43:29] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:43:29] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 4 |
[2025-09-06 06:43:29] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 4 |
[2025-09-06 06:43:29] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 4 |
[2025-09-06 06:43:29] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 3 |
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Performance Metrics
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] | Stage | Time Taken |
[2025-09-06 06:43:29] [info] |-----|-----|

```

```
[2025-09-06 06:43:29] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:43:29] [info] | Rule Checking       | 0 minutes 19 seconds |
[2025-09-06 06:43:29] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info]                Summary
[2025-09-06 06:43:29] [info] -----
[2025-09-06 06:43:29] [info] Total Errors:    1047
[2025-09-06 06:43:29] [info] Total Warnings:      505
[2025-09-06 06:43:29] [info] DRC Status:        FAILED
```

[2025-09-06 06:44:27] [info] =====
[2025-09-06 06:44:27] [info] Design Rule Check Report
[2025-09-06 06:44:27] [info] =====

[2025-09-06 06:44:27] [info] Report Generated: 2025-09-06
[2025-09-06 06:44:27] [info] Run Start Time: 06:43:40 AM
[2025-09-06 06:44:27] [info] Run End Time: 06:44:27 AM
[2025-09-06 06:44:27] [info] Time Taken: 0 minutes 57 seconds

[2025-09-06 06:44:27] [info] Tool Version: LVR_2025.1
[2025-09-06 06:44:27] [info] Host Name: kuro-Workstation
[2025-09-06 06:44:27] [info] User Name: kuro
[2025-09-06 06:44:27] [info] Cores Used: 4
[2025-09-06 06:44:27] [info] Memory Utilized: 8549.11 MB / 62.569705963134766 GB

[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Top Cell Information
[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-09-06 06:44:27] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:44:27] [info] Database Format: GDSII
[2025-09-06 06:44:27] [info] Verification Mode: Full Check

[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Type of Errors | Count
[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] DB_WARN -> 1
[2025-09-06 06:44:27] [info] LRF_ERR001 -> 14
[2025-09-06 06:44:27] [info] DB_WARN002 -> 159
[2025-09-06 06:44:27] [info] DB_WARN003 -> 161
[2025-09-06 06:44:27] [info] DRC_ERR9 -> 745
[2025-09-06 06:44:27] [info] DRC_ERR -> 9
[2025-09-06 06:44:27] [info] DRC_ERR4 -> 241
[2025-09-06 06:44:27] [info] DRC_ERR5 -> 26
[2025-09-06 06:44:27] [info] DRC_ERR2 -> 4
[2025-09-06 06:44:27] [info] DRC_ERR1 -> 4

[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Rule Violation Summary
[2025-09-06 06:44:27] [info] -----

[2025-09-06 06:44:27] [info]	Rule ID	Description	Error Count
[2025-09-06 06:44:27] [info]	m5.1	"m5.1 : min. m5 width : 1.6um" 1	
[2025-09-06 06:44:27] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 2	
[2025-09-06 06:44:27] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" 10	
[2025-09-06 06:44:27] [info]	poly.1a	"poly.1a : min. poly width : 0.15um" 3	
[2025-09-06 06:44:27] [info]	poly.7	"poly.7 : min. source/drain length : 0.25um" 6	
[2025-09-06 06:44:27] [info]	li.1	"li.1 : min. li width : 0.17um" 12	
[2025-09-06 06:44:27] [info]	psdm.1	"psdm.1 : min. psdm width : 0.38um" 14	
[2025-09-06 06:44:27] [info]	licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 131	
[2025-09-06 06:44:27] [info]	npc.1	"npc.1 : min. npc width : 0.27um" 17	
[2025-09-06 06:44:27] [info]	licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" 12	
[2025-09-06 06:44:27] [info]	vial.5b	"vial.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 4	
[2025-09-06 06:44:27] [info]	m1.1	"m1.1 : min. m1 width : 0.14um" 688	
[2025-09-06 06:44:27] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 110	
[2025-09-06 06:44:27] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um" 4	
[2025-09-06 06:44:27] [info]	m1.6	"m1.6 : min. m1 area : 0.083um²" 3	
[2025-09-06 06:44:27] [info]	vial.5a	"vial.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 4	
[2025-09-06 06:44:27] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 4	
[2025-09-06 06:44:27] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 4	

[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Performance Metrics

```
[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] | Stage                | Time Taken |
[2025-09-06 06:44:27] [info] |-----|-----|
[2025-09-06 06:44:27] [info] | GDS Parsing          | 0 minutes 9 seconds |
[2025-09-06 06:44:27] [info] | Rule Checking        | 0 minutes 46 seconds |
[2025-09-06 06:44:27] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info]                Summary
[2025-09-06 06:44:27] [info] -----
[2025-09-06 06:44:27] [info] Total Errors:    1043
[2025-09-06 06:44:27] [info] Total Warnings:      321
[2025-09-06 06:44:27] [info] DRC Status:      FAILED
```

[2025-09-06 06:45:40] [info] =====
[2025-09-06 06:45:40] [info] Design Rule Check Report
[2025-09-06 06:45:40] [info] =====

[2025-09-06 06:45:40] [info] Report Generated: 2025-09-06
[2025-09-06 06:45:40] [info] Run Start Time: 06:44:41 AM
[2025-09-06 06:45:40] [info] Run End Time: 06:45:39 AM
[2025-09-06 06:45:40] [info] Time Taken: 1 minutes 10 seconds

[2025-09-06 06:45:40] [info] Tool Version: LVR_2025.1
[2025-09-06 06:45:40] [info] Host Name: kuro-Workstation
[2025-09-06 06:45:40] [info] User Name: kuro
[2025-09-06 06:45:40] [info] Cores Used: 4
[2025-09-06 06:45:40] [info] Memory Utilized: 10233.03 MB / 62.569705963134766 GB

[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Top Cell Information
[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 06:45:40] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:45:40] [info] Database Format: GDSII
[2025-09-06 06:45:40] [info] Verification Mode: Full Check

[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Type of Errors | Count
[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] DB_WARN -> 1
[2025-09-06 06:45:40] [info] LRF_ERR001 -> 14
[2025-09-06 06:45:40] [info] DB_WARN002 -> 157
[2025-09-06 06:45:40] [info] DB_WARN003 -> 159
[2025-09-06 06:45:40] [info] DRC_ERR9 -> 858
[2025-09-06 06:45:40] [info] DRC_ERR4 -> 137
[2025-09-06 06:45:40] [info] DRC_ERR5 -> 14
[2025-09-06 06:45:40] [info] DRC_ERR -> 17
[2025-09-06 06:45:40] [info] DRC_ERR2 -> 4
[2025-09-06 06:45:40] [info] DRC_ERR1 -> 4

[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Rule Violation Summary
[2025-09-06 06:45:40] [info] -----

Rule ID	Description	Error Count
m5.1	"m5.1 : min. m5 width : 1.6um" 1	1
poly.7	"poly.7 : min. source/drain length : 0.25um" 8	8
licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 135	135
li.1	"li.1 : min. li width : 0.17um" 11	11
li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" 10	10
li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 2	2
m1.1	"m1.1 : min. m1 width : 0.14um" 828	828
poly.1a	"poly.1a : min. poly width : 0.15um" 7	7
li.6	"li.6 : min. li area : 0.0561um ² " 6	6
licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 2	2
m1.2	"m1.2 : min. m1 spacing : 0.14um" 4	4
m1.6	"m1.6 : min. m1 area : 0.083um ² " 3	3
vial.5b	"vial.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 4	4
m2.1	"m2.1 : min. m2 width : 0.14um" 1	1
m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 4	4
vial.5a	"vial.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 4	4
m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 4	4

[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Performance Metrics
[2025-09-06 06:45:40] [info] -----

```
[2025-09-06 06:45:40] [info] | Stage           | Time Taken |
[2025-09-06 06:45:40] [info] |-----|-----|
[2025-09-06 06:45:40] [info] | GDS Parsing       | 0 minutes 11 seconds |
[2025-09-06 06:45:40] [info] | Rule Checking      | 0 minutes 57 seconds |
[2025-09-06 06:45:40] [info] | Report Generation  | 0 minutes 0 seconds  |

[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info]              Summary
[2025-09-06 06:45:40] [info] -----
[2025-09-06 06:45:40] [info] Total Errors:    1048
[2025-09-06 06:45:40] [info] Total Warnings:    317
[2025-09-06 06:45:40] [info] DRC Status:      FAILED
```

[2025-09-06 06:46:38] [info] =====
[2025-09-06 06:46:38] [info] Design Rule Check Report
[2025-09-06 06:46:38] [info] =====

[2025-09-06 06:46:38] [info] Report Generated: 2025-09-06
[2025-09-06 06:46:38] [info] Run Start Time: 06:45:50 AM
[2025-09-06 06:46:38] [info] Run End Time: 06:46:38 AM
[2025-09-06 06:46:38] [info] Time Taken: 0 minutes 55 seconds

[2025-09-06 06:46:38] [info] Tool Version: LVR_2025.1
[2025-09-06 06:46:38] [info] Host Name: kuro-Workstation
[2025-09-06 06:46:38] [info] User Name: kuro
[2025-09-06 06:46:38] [info] Cores Used: 4
[2025-09-06 06:46:38] [info] Memory Utilized: 7743.24 MB / 62.569705963134766 GB

[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Top Cell Information
[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 06:46:38] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:46:38] [info] Database Format: GDSII
[2025-09-06 06:46:38] [info] Verification Mode: Full Check

[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Type of Errors | Count
[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] DB_WARN -> 1
[2025-09-06 06:46:38] [info] LRF_ERR001 -> 14
[2025-09-06 06:46:38] [info] DB_WARN002 -> 152
[2025-09-06 06:46:38] [info] DB_WARN003 -> 155
[2025-09-06 06:46:38] [info] DRC_ERR9 -> 817
[2025-09-06 06:46:38] [info] DRC_ERR4 -> 178
[2025-09-06 06:46:38] [info] DRC_ERR5 -> 21
[2025-09-06 06:46:38] [info] DRC_ERR2 -> 4
[2025-09-06 06:46:38] [info] DRC_ERR -> 7
[2025-09-06 06:46:38] [info] DRC_ERR1 -> 4

[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Rule Violation Summary

Rule ID	Description	Error Count
m5.1	"m5.1 : min. m5 width : 1.6um" 1	1
poly.7	"poly.7 : min. source/drain length : 0.25um" 2	2
li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 7	7
li.6	"li.6 : min. li area : 0.0561um ² " 1	1
poly.1a	"poly.1a : min. poly width : 0.15um" 6	6
licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 131	131
li.1	"li.1 : min. li width : 0.17um" 8	8
licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" 2	2
vial.5b	"vial.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 4	4
li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" 8	8
m1.1	"m1.1 : min. m1 width : 0.14um" 794	794
licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 47	47
m1.2	"m1.2 : min. m1 spacing : 0.14um" 4	4
m1.6	"m1.6 : min. m1 area : 0.083um ² " 4	4
vial.5a	"vial.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 4	4
m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 4	4
m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 4	4

[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Performance Metrics
[2025-09-06 06:46:38] [info] -----

```
[2025-09-06 06:46:38] [info] | Stage           | Time Taken |
[2025-09-06 06:46:38] [info] |-----|-----|
[2025-09-06 06:46:38] [info] | GDS Parsing       | 0 minutes 8 seconds |
[2025-09-06 06:46:38] [info] | Rule Checking      | 0 minutes 46 seconds |
[2025-09-06 06:46:38] [info] | Report Generation  | 0 minutes 0 seconds |

[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Summary
[2025-09-06 06:46:38] [info] -----
[2025-09-06 06:46:38] [info] Total Errors:    1045
[2025-09-06 06:46:38] [info] Total Warnings:    308
[2025-09-06 06:46:38] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:46:54] [info] =====
[2025-09-06 06:46:54] [info] Design Rule Check Report
[2025-09-06 06:46:54] [info] =====

[2025-09-06 06:46:54] [info] Report Generated: 2025-09-06
[2025-09-06 06:46:54] [info] Run Start Time: 06:46:44 AM
[2025-09-06 06:46:54] [info] Run End Time: 06:46:54 AM
[2025-09-06 06:46:54] [info] Time Taken: 0 minutes 13 seconds

[2025-09-06 06:46:54] [info] Tool Version: LVR_2025.1
[2025-09-06 06:46:54] [info] Host Name: kuro-Workstation
[2025-09-06 06:46:54] [info] User Name: kuro
[2025-09-06 06:46:54] [info] Cores Used: 8
[2025-09-06 06:46:54] [info] Memory Utilized: 3486.84 MB / 62.569705963134766 GB

[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Top Cell Information
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Layout Top Cell: aes_cipher_top1_sky130hd
[2025-09-06 06:46:54] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:46:54] [info] Database Format: GDSII
[2025-09-06 06:46:54] [info] Verification Mode: Full Check

[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Type of Errors | Count
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] DB_WARN -> 1
[2025-09-06 06:46:54] [info] LRF_ERR001 -> 14
[2025-09-06 06:46:54] [info] DB_WARN002 -> 144
[2025-09-06 06:46:54] [info] DB_WARN003 -> 137
[2025-09-06 06:46:54] [info] DRC_ERR -> 254
[2025-09-06 06:46:54] [info] DRC_ERR9 -> 768
[2025-09-06 06:46:54] [info] DRC_ERR2 -> 8
[2025-09-06 06:46:54] [info] DRC_ERR5 -> 24
[2025-09-06 06:46:54] [info] DRC_ERR1 -> 8
[2025-09-06 06:46:54] [info] DRC_ERR4 -> 11
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Rule Violation Summary
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:46:54] [info] |-----|-----|-----|
[2025-09-06 06:46:54] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 1 |
[2025-09-06 06:46:54] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 4 |
[2025-09-06 06:46:54] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 242 |
[2025-09-06 06:46:54] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 752 |
[2025-09-06 06:46:54] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 3 |
[2025-09-06 06:46:54] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:46:54] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 6 |
[2025-09-06 06:46:54] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 8 |
[2025-09-06 06:46:54] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:46:54] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:46:54] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:46:54] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 8 |
[2025-09-06 06:46:54] [info] | m3.1 | "m3.1 : min. m3 width : 0.3um" | 1 |
[2025-09-06 06:46:54] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 2 |
[2025-09-06 06:46:54] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:46:54] [info] | li.1 | "li.1 : min. li width : 0.17um" | 3 |
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Performance Metrics
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] | Stage | Time Taken |

```

```
[2025-09-06 06:46:54] [info] |-----|-----|
[2025-09-06 06:46:54] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:46:54] [info] | Rule Checking       | 0 minutes 9 seconds |
[2025-09-06 06:46:54] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info]              Summary
[2025-09-06 06:46:54] [info] -----
[2025-09-06 06:46:54] [info] Total Errors:   1087
[2025-09-06 06:46:54] [info] Total Warnings:    282
[2025-09-06 06:46:54] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:47:11] [info] =====
[2025-09-06 06:47:11] [info] Design Rule Check Report
[2025-09-06 06:47:11] [info] =====

[2025-09-06 06:47:11] [info] Report Generated: 2025-09-06
[2025-09-06 06:47:11] [info] Run Start Time: 06:46:59 AM
[2025-09-06 06:47:11] [info] Run End Time: 06:47:11 AM
[2025-09-06 06:47:11] [info] Time Taken: 0 minutes 16 seconds

[2025-09-06 06:47:11] [info] Tool Version: LVR_2025.1
[2025-09-06 06:47:11] [info] Host Name: kuro-Workstation
[2025-09-06 06:47:11] [info] User Name: kuro
[2025-09-06 06:47:11] [info] Cores Used: 8
[2025-09-06 06:47:11] [info] Memory Utilized: 4017.12 MB / 62.569705963134766 GB

[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Top Cell Information
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 06:47:11] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:47:11] [info] Database Format: GDSII
[2025-09-06 06:47:11] [info] Verification Mode: Full Check

[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Type of Errors | Count
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] DB_WARN -> 1
[2025-09-06 06:47:11] [info] LRF_ERR001 -> 14
[2025-09-06 06:47:11] [info] DB_WARN002 -> 141
[2025-09-06 06:47:11] [info] DB_WARN003 -> 135
[2025-09-06 06:47:11] [info] DRC_ERR9 -> 770
[2025-09-06 06:47:11] [info] DRC_ERR2 -> 8
[2025-09-06 06:47:11] [info] DRC_ERR5 -> 27
[2025-09-06 06:47:11] [info] DRC_ERR1 -> 8
[2025-09-06 06:47:11] [info] DRC_ERR -> 256
[2025-09-06 06:47:11] [info] DRC_ERR4 -> 6
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Rule Violation Summary
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:47:11] [info] |-----|-----|-----|
[2025-09-06 06:47:11] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 4 |
[2025-09-06 06:47:11] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 762 |
[2025-09-06 06:47:11] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 3 |
[2025-09-06 06:47:11] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:47:11] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:47:11] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:47:11] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 8 |
[2025-09-06 06:47:11] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:47:11] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 8 |
[2025-09-06 06:47:11] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 5 |
[2025-09-06 06:47:11] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 242 |
[2025-09-06 06:47:11] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 4 |
[2025-09-06 06:47:11] [info] | m4.4 | "m4.4 : min. m4 area : 0.24um^2" | 1 |
[2025-09-06 06:47:11] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 6 |
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Performance Metrics
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] | Stage | Time Taken |
[2025-09-06 06:47:11] [info] |-----|-----|
[2025-09-06 06:47:11] [info] | GDS Parsing | 0 minutes 4 seconds |

```

```
[2025-09-06 06:47:11] [info] | Rule Checking          | 0 minutes 11 seconds |
[2025-09-06 06:47:11] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info]                      Summary
[2025-09-06 06:47:11] [info] -----
[2025-09-06 06:47:11] [info] Total Errors:      1089
[2025-09-06 06:47:11] [info] Total Warnings:      277
[2025-09-06 06:47:11] [info] DRC Status:        FAILED
```

```

[2025-09-06 06:47:24] [info] =====
[2025-09-06 06:47:24] [info] Design Rule Check Report
[2025-09-06 06:47:24] [info] =====

[2025-09-06 06:47:24] [info] Report Generated: 2025-09-06
[2025-09-06 06:47:24] [info] Run Start Time: 06:47:16 AM
[2025-09-06 06:47:24] [info] Run End Time: 06:47:24 AM
[2025-09-06 06:47:24] [info] Time Taken: 0 minutes 12 seconds

[2025-09-06 06:47:24] [info] Tool Version: LVR_2025.1
[2025-09-06 06:47:24] [info] Host Name: kuro-Workstation
[2025-09-06 06:47:24] [info] User Name: kuro
[2025-09-06 06:47:24] [info] Cores Used: 8
[2025-09-06 06:47:24] [info] Memory Utilized: 3114.20 MB / 62.569705963134766 GB

[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Top Cell Information
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Layout Top Cell: aes_cipher_top3_sky130hd
[2025-09-06 06:47:24] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:47:24] [info] Database Format: GDSII
[2025-09-06 06:47:24] [info] Verification Mode: Full Check

[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Type of Errors | Count
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] DB_WARN -> 1
[2025-09-06 06:47:24] [info] LRF_ERR001 -> 14
[2025-09-06 06:47:24] [info] DB_WARN002 -> 138
[2025-09-06 06:47:24] [info] DB_WARN003 -> 132
[2025-09-06 06:47:24] [info] DRC_ERR -> 239
[2025-09-06 06:47:24] [info] DRC_ERR9 -> 781
[2025-09-06 06:47:24] [info] DRC_ERR2 -> 8
[2025-09-06 06:47:24] [info] DRC_ERR5 -> 24
[2025-09-06 06:47:24] [info] DRC_ERR1 -> 8
[2025-09-06 06:47:24] [info] DRC_ERR4 -> 11
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Rule Violation Summary
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:47:24] [info] |-----|-----|-----|
[2025-09-06 06:47:24] [info] | m2.1 | "m2.1 : min. m2 width : 0.14um" | 2 |
[2025-09-06 06:47:24] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 226 |
[2025-09-06 06:47:24] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 767 |
[2025-09-06 06:47:24] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 2 |
[2025-09-06 06:47:24] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:47:24] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um²" | 8 |
[2025-09-06 06:47:24] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 8 |
[2025-09-06 06:47:24] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:47:24] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um²" | 5 |
[2025-09-06 06:47:24] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:47:24] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:47:24] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 8 |
[2025-09-06 06:47:24] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 11 |
[2025-09-06 06:47:24] [info] | li.1 | "li.1 : min. li width : 0.17um" | 2 |
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Performance Metrics
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] | Stage | Time Taken |
[2025-09-06 06:47:24] [info] |-----|-----|
[2025-09-06 06:47:24] [info] | GDS Parsing | 0 minutes 3 seconds |

```

```
[2025-09-06 06:47:24] [info] | Rule Checking          | 0 minutes 8 seconds |
[2025-09-06 06:47:24] [info] | Report Generation      | 0 minutes 0 seconds |
```

```
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info]                      Summary
[2025-09-06 06:47:24] [info] -----
[2025-09-06 06:47:24] [info] Total Errors:    1085
[2025-09-06 06:47:24] [info] Total Warnings:    271
[2025-09-06 06:47:24] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:46:39] [info] =====
[2025-09-06 06:46:39] [info] Design Rule Check Report
[2025-09-06 06:46:39] [info] =====

[2025-09-06 06:46:39] [info] Report Generated: 2025-09-06
[2025-09-06 06:46:39] [info] Run Start Time: 06:46:39 AM
[2025-09-06 06:46:39] [info] Run End Time: 06:46:39 AM
[2025-09-06 06:46:39] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 06:46:39] [info] Tool Version: LVR_2025.1
[2025-09-06 06:46:39] [info] Host Name: kuro-Workstation
[2025-09-06 06:46:39] [info] User Name: kuro
[2025-09-06 06:46:39] [info] Cores Used: 8
[2025-09-06 06:46:39] [info] Memory Utilized: 51.86 MB / 62.569705963134766 GB

[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Top Cell Information
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 06:46:39] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:46:39] [info] Database Format: GDSII
[2025-09-06 06:46:39] [info] Verification Mode: Full Check

[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Type of Errors | Count
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] DB_WARN -> 1
[2025-09-06 06:46:39] [info] LRF_ERR001 -> 14
[2025-09-06 06:46:39] [info] DB_WARN002 -> 58
[2025-09-06 06:46:39] [info] DB_WARN003 -> 55
[2025-09-06 06:46:39] [info] DRC_ERR4 -> 5
[2025-09-06 06:46:39] [info] DRC_ERR9 -> 1009
[2025-09-06 06:46:39] [info] DRC_ERR5 -> 18
[2025-09-06 06:46:39] [info] DRC_ERR2 -> 8
[2025-09-06 06:46:39] [info] DRC_ERR -> 4
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Rule Violation Summary
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:46:39] [info] |-----|-----|-----|
[2025-09-06 06:46:39] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 4 |
[2025-09-06 06:46:39] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:46:39] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:46:39] [info] | npc.1 | "npc.1 : min. npc width : 0.27um" | 2 |
[2025-09-06 06:46:39] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 993 |
[2025-09-06 06:46:39] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 2 |
[2025-09-06 06:46:39] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 7 |
[2025-09-06 06:46:39] [info] | li.1 | "li.1 : min. li width : 0.17um" | 7 |
[2025-09-06 06:46:39] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:46:39] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 5 |
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Performance Metrics
[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] | Stage | Time Taken |
[2025-09-06 06:46:39] [info] |-----|-----|
[2025-09-06 06:46:39] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-09-06 06:46:39] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-09-06 06:46:39] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:46:39] [info] -----
[2025-09-06 06:46:39] [info] Summary

```

```
[2025-09-06 06:46:39] [info] -----  
[2025-09-06 06:46:39] [info] Total Errors:    1058  
[2025-09-06 06:46:39] [info] Total Warnings:      114  
[2025-09-06 06:46:39] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:46:40] [info] =====
[2025-09-06 06:46:40] [info]                Design Rule Check Report
[2025-09-06 06:46:40] [info] =====

[2025-09-06 06:46:40] [info] Report Generated:    2025-09-06
[2025-09-06 06:46:40] [info] Run Start Time:      06:46:40 AM
[2025-09-06 06:46:40] [info] Run End Time:        06:46:40 AM
[2025-09-06 06:46:40] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:46:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:46:40] [info] Host Name:           kuro-Workstation
[2025-09-06 06:46:40] [info] User Name:           kuro
[2025-09-06 06:46:40] [info] Cores Used:           8
[2025-09-06 06:46:40] [info] Memory Utilized:     54.61 MB / 62.569705963134766 GB

[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Top Cell Information
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 06:46:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:46:40] [info] Database Format:       GDSII
[2025-09-06 06:46:40] [info] Verification Mode:    Full Check

[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Type of Errors | Count
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] DB_WARN -> 1
[2025-09-06 06:46:40] [info] LRF_ERR001 -> 14
[2025-09-06 06:46:40] [info] DB_WARN002 -> 59
[2025-09-06 06:46:40] [info] DB_WARN003 -> 56
[2025-09-06 06:46:40] [info] DRC_ERR9 -> 958
[2025-09-06 06:46:40] [info] DRC_ERR2 -> 14
[2025-09-06 06:46:40] [info] DRC_ERR5 -> 56
[2025-09-06 06:46:40] [info] DRC_ERR -> 5
[2025-09-06 06:46:40] [info] DRC_ERR1 -> 2
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Rule Violation Summary
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:46:40] [info] |-----|-----|-----|
[2025-09-06 06:46:40] [info] | m3.6         | "m3.6 : min. m3 area : 0.24um^2" | 1           |
[2025-09-06 06:46:40] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 2           |
[2025-09-06 06:46:40] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 2           |
[2025-09-06 06:46:40] [info] | m1.6         | "m1.6 : min. m1 area : 0.083um^2" | 3           |
[2025-09-06 06:46:40] [info] | li.1         | "li.1 : min. li width : 0.17um" | 8           |
[2025-09-06 06:46:40] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 27          |
[2025-09-06 06:46:40] [info] | li.6         | "li.6 : min. li area : 0.0561um^2" | 1           |
[2025-09-06 06:46:40] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 27          |
[2025-09-06 06:46:40] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 14          |
[2025-09-06 06:46:40] [info] | li.1a        | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 8           |
[2025-09-06 06:46:40] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 942         |
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Performance Metrics
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] | Stage          | Time Taken |
[2025-09-06 06:46:40] [info] |-----|-----|
[2025-09-06 06:46:40] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-09-06 06:46:40] [info] | Rule Checking  | 0 minutes 0 seconds |
[2025-09-06 06:46:40] [info] | Report Generation | 0 minutes 0 seconds |
[2025-09-06 06:46:40] [info] -----

```

```
[2025-09-06 06:46:40] [info] Summary
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] Total Errors:   1049
[2025-09-06 06:46:40] [info] Total Warnings:      116
[2025-09-06 06:46:40] [info] DRC Status:          FAILED
```

```
[2025-09-06 06:46:40] [info] =====
[2025-09-06 06:46:40] [info]                Design Rule Check Report
[2025-09-06 06:46:40] [info] =====

[2025-09-06 06:46:40] [info] Report Generated:    2025-09-06
[2025-09-06 06:46:40] [info] Run Start Time:      06:46:40 AM
[2025-09-06 06:46:40] [info] Run End Time:        06:46:40 AM
[2025-09-06 06:46:40] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:46:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:46:40] [info] Host Name:           kuro-Workstation
[2025-09-06 06:46:40] [info] User Name:           kuro
[2025-09-06 06:46:40] [info] Cores Used:           8
[2025-09-06 06:46:40] [info] Memory Utilized:     43.71 MB / 62.569705963134766 GB

[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Top Cell Information
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 06:46:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:46:40] [info] Database Format:       GDSII
[2025-09-06 06:46:40] [info] Verification Mode:    Full Check

[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Type of Errors | Count
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] DB_WARN -> 1
[2025-09-06 06:46:40] [info] LRF_ERR001 -> 14
[2025-09-06 06:46:40] [info] DB_WARN002 -> 59
[2025-09-06 06:46:40] [info] DB_WARN003 -> 56
[2025-09-06 06:46:40] [info] DRC_ERR9 -> 1006
[2025-09-06 06:46:40] [info] DRC_ERR2 -> 8
[2025-09-06 06:46:40] [info] DRC_ERR5 -> 18
[2025-09-06 06:46:40] [info] DRC_ERR -> 4
[2025-09-06 06:46:40] [info] DRC_ERR1 -> 2
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Rule Violation Summary
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] | Rule ID      | Description                                     | Error Count |
[2025-09-06 06:46:40] [info] |-----|-----|-----|
[2025-09-06 06:46:40] [info] | li.1         | "li.1 : min. li width : 0.17um" | 5           |
[2025-09-06 06:46:40] [info] | m4.5ab       | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 2           |
[2025-09-06 06:46:40] [info] | m4.5         | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 2           |
[2025-09-06 06:46:40] [info] | m1.6         | "m1.6 : min. m1 area : 0.083um^2" | 4           |
[2025-09-06 06:46:40] [info] | via1.5b      | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8           |
[2025-09-06 06:46:40] [info] | via1.5a      | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8           |
[2025-09-06 06:46:40] [info] | m1.2         | "m1.2 : min. m1 spacing : 0.14um" | 8           |
[2025-09-06 06:46:40] [info] | li.1a        | "li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" | 2           |
[2025-09-06 06:46:40] [info] | m1.1         | "m1.1 : min. m1 width : 0.14um" | 999         |
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Performance Metrics
[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info] | Stage          | Time Taken |
[2025-09-06 06:46:40] [info] |-----|-----|
[2025-09-06 06:46:40] [info] | GDS Parsing    | 0 minutes 0 seconds |
[2025-09-06 06:46:40] [info] | Rule Checking  | 0 minutes 0 seconds |
[2025-09-06 06:46:40] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:46:40] [info] -----
[2025-09-06 06:46:40] [info]                Summary
[2025-09-06 06:46:40] [info] -----
```

```
[2025-09-06 06:46:40] [info] Total Errors: 1052
[2025-09-06 06:46:40] [info] Total Warnings: 116
[2025-09-06 06:46:40] [info] DRC Status: FAILED
```

[2025-09-06 06:47:38] [info] =====
[2025-09-06 06:47:38] [info] Design Rule Check Report
[2025-09-06 06:47:38] [info] =====

[2025-09-06 06:47:38] [info] Report Generated: 2025-09-06
[2025-09-06 06:47:38] [info] Run Start Time: 06:47:29 AM
[2025-09-06 06:47:38] [info] Run End Time: 06:47:38 AM
[2025-09-06 06:47:38] [info] Time Taken: 0 minutes 12 seconds

[2025-09-06 06:47:38] [info] Tool Version: LVR_2025.1
[2025-09-06 06:47:38] [info] Host Name: kuro-Workstation
[2025-09-06 06:47:38] [info] User Name: kuro
[2025-09-06 06:47:38] [info] Cores Used: 8
[2025-09-06 06:47:38] [info] Memory Utilized: 3318.99 MB / 62.569705963134766 GB

[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Top Cell Information
[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Layout Top Cell: ibex_core1_sky130hd
[2025-09-06 06:47:38] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:47:38] [info] Database Format: GDSII
[2025-09-06 06:47:38] [info] Verification Mode: Full Check

[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Type of Errors | Count
[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] DB_WARN -> 1
[2025-09-06 06:47:38] [info] LRF_ERR001 -> 14
[2025-09-06 06:47:38] [info] DB_WARN002 -> 251
[2025-09-06 06:47:38] [info] DB_WARN003 -> 251
[2025-09-06 06:47:38] [info] DRC_ERR -> 131
[2025-09-06 06:47:38] [info] DRC_ERR9 -> 746
[2025-09-06 06:47:38] [info] DRC_ERR4 -> 145
[2025-09-06 06:47:38] [info] DRC_ERR5 -> 38
[2025-09-06 06:47:38] [info] DRC_ERR2 -> 8
[2025-09-06 06:47:38] [info] DRC_ERR1 -> 8

[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Rule Violation Summary
[2025-09-06 06:47:38] [info] -----

Rule ID	Description	Error Count
m2.6	"m2.6 : min. m2 area : 0.0676um ² "	1
li.6	"li.6 : min. li area : 0.0561um ² "	3
li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um"	19
m5.1	"m5.1 : min. m5 width : 1.6um"	8
poly.7	"poly.7 : min. source/drain length : 0.25um"	116
psdm.1	"psdm.1 : min. psdm width : 0.38um"	4
licon.5	"licon.5 : min. diff enclosure of licon : 0.04um"	135
li.1	"li.1 : min. li width : 0.17um"	21
li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um"	14
m1.1	"m1.1 : min. m1 width : 0.14um"	694
licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um"	10
m1.2	"m1.2 : min. m1 spacing : 0.14um"	8
m1.6	"m1.6 : min. m1 area : 0.083um ² "	7
via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um"	8
m3.6	"m3.6 : min. m3 area : 0.24um ² "	4
m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um"	8
via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um"	8
m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um"	8

[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Performance Metrics

```
[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] | Stage                | Time Taken |
[2025-09-06 06:47:38] [info] |-----|-----|
[2025-09-06 06:47:38] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:47:38] [info] | Rule Checking        | 0 minutes 8 seconds |
[2025-09-06 06:47:38] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info]                Summary
[2025-09-06 06:47:38] [info] -----
[2025-09-06 06:47:38] [info] Total Errors:    1090
[2025-09-06 06:47:38] [info] Total Warnings:      503
[2025-09-06 06:47:38] [info] DRC Status:      FAILED
```

[2025-09-06 06:47:53] [info] =====
[2025-09-06 06:47:53] [info] Design Rule Check Report
[2025-09-06 06:47:53] [info] =====

[2025-09-06 06:47:53] [info] Report Generated: 2025-09-06
[2025-09-06 06:47:53] [info] Run Start Time: 06:47:42 AM
[2025-09-06 06:47:53] [info] Run End Time: 06:47:53 AM
[2025-09-06 06:47:53] [info] Time Taken: 0 minutes 14 seconds

[2025-09-06 06:47:53] [info] Tool Version: LVR_2025.1
[2025-09-06 06:47:53] [info] Host Name: kuro-Workstation
[2025-09-06 06:47:53] [info] User Name: kuro
[2025-09-06 06:47:53] [info] Cores Used: 8
[2025-09-06 06:47:53] [info] Memory Utilized: 3364.09 MB / 62.569705963134766 GB

[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] Top Cell Information
[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-09-06 06:47:53] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:47:53] [info] Database Format: GDSII
[2025-09-06 06:47:53] [info] Verification Mode: Full Check

[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] Type of Errors | Count
[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] DB_WARN -> 1
[2025-09-06 06:47:53] [info] LRF_ERR001 -> 14
[2025-09-06 06:47:53] [info] DB_WARN002 -> 249
[2025-09-06 06:47:53] [info] DB_WARN003 -> 249
[2025-09-06 06:47:53] [info] DRC_ERR9 -> 755
[2025-09-06 06:47:53] [info] DRC_ERR -> 192
[2025-09-06 06:47:53] [info] DRC_ERR4 -> 96
[2025-09-06 06:47:53] [info] DRC_ERR5 -> 30
[2025-09-06 06:47:53] [info] DRC_ERR2 -> 8
[2025-09-06 06:47:53] [info] DRC_ERR1 -> 8
[2025-09-06 06:47:53] [info] -----

[2025-09-06 06:47:53] [info] Rule Violation Summary

Rule ID	Description	Error Count
npc.1	"npc.1 : min. npc width : 0.27um" 7	
m3.6	"m3.6 : min. m3 area : 0.24um ² " 2	
li.1a	"li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" 7	
m5.1	"m5.1 : min. m5 width : 1.6um" 8	
li.6	"li.6 : min. li area : 0.0561um ² " 4	
poly.1a	"poly.1a : min. poly width : 0.15um" 22	
poly.7	"poly.7 : min. source/drain length : 0.25um" 178	
m4.4	"m4.4 : min. m4 area : 0.24um ² " 1	
psdm.1	"psdm.1 : min. psdm width : 0.38um" 9	
licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 95	
li.1	"li.1 : min. li width : 0.17um" 16	
li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 6	
m1.1	"m1.1 : min. m1 width : 0.14um" 686	
licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 1	
m1.2	"m1.2 : min. m1 spacing : 0.14um" 8	
m1.6	"m1.6 : min. m1 area : 0.083um ² " 7	
via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 8	
m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 8	
via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 8	
m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 8	

```
[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info]             Performance Metrics
[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] | Stage                | Time Taken |
[2025-09-06 06:47:53] [info] |-----|-----|
[2025-09-06 06:47:53] [info] | GDS Parsing           | 0 minutes 3 seconds |
[2025-09-06 06:47:53] [info] | Rule Checking          | 0 minutes 11 seconds |
[2025-09-06 06:47:53] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info]             Summary
[2025-09-06 06:47:53] [info] -----
[2025-09-06 06:47:53] [info] Total Errors:    1103
[2025-09-06 06:47:53] [info] Total Warnings:      499
[2025-09-06 06:47:53] [info] DRC Status:      FAILED
```

```

[2025-09-06 06:48:10] [info] =====
[2025-09-06 06:48:10] [info] Design Rule Check Report
[2025-09-06 06:48:10] [info] =====

[2025-09-06 06:48:10] [info] Report Generated: 2025-09-06
[2025-09-06 06:48:10] [info] Run Start Time: 06:47:58 AM
[2025-09-06 06:48:10] [info] Run End Time: 06:48:10 AM
[2025-09-06 06:48:10] [info] Time Taken: 0 minutes 15 seconds

[2025-09-06 06:48:10] [info] Tool Version: LVR_2025.1
[2025-09-06 06:48:10] [info] Host Name: kuro-Workstation
[2025-09-06 06:48:10] [info] User Name: kuro
[2025-09-06 06:48:10] [info] Cores Used: 8
[2025-09-06 06:48:10] [info] Memory Utilized: 3308.59 MB / 62.569705963134766 GB

[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Top Cell Information
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 06:48:10] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:48:10] [info] Database Format: GDSII
[2025-09-06 06:48:10] [info] Verification Mode: Full Check

[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Type of Errors | Count
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] DB_WARN -> 1
[2025-09-06 06:48:10] [info] LRF_ERR001 -> 14
[2025-09-06 06:48:10] [info] DB_WARN002 -> 253
[2025-09-06 06:48:10] [info] DB_WARN003 -> 251
[2025-09-06 06:48:10] [info] DRC_ERR4 -> 36
[2025-09-06 06:48:10] [info] DRC_ERR9 -> 905
[2025-09-06 06:48:10] [info] DRC_ERR2 -> 8
[2025-09-06 06:48:10] [info] DRC_ERR5 -> 24
[2025-09-06 06:48:10] [info] DRC_ERR1 -> 8
[2025-09-06 06:48:10] [info] DRC_ERR -> 99
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Rule Violation Summary
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:48:10] [info] |-----|-----|-----|
[2025-09-06 06:48:10] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 1 |
[2025-09-06 06:48:10] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 21 |
[2025-09-06 06:48:10] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 5 |
[2025-09-06 06:48:10] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 35 |
[2025-09-06 06:48:10] [info] | li.1 | "li.1 : min. li width : 0.17um" | 11 |
[2025-09-06 06:48:10] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 11 |
[2025-09-06 06:48:10] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 854 |
[2025-09-06 06:48:10] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:48:10] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 1 |
[2025-09-06 06:48:10] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:48:10] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:48:10] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 8 |
[2025-09-06 06:48:10] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:48:10] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 8 |
[2025-09-06 06:48:10] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 90 |
[2025-09-06 06:48:10] [info] | m3.6 | "m3.6 : min. m3 area : 0.24um^2" | 3 |
[2025-09-06 06:48:10] [info]
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Performance Metrics
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] | Stage | Time Taken |

```

```
[2025-09-06 06:48:10] [info] |-----|-----|
[2025-09-06 06:48:10] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-09-06 06:48:10] [info] | Rule Checking          | 0 minutes 12 seconds |
[2025-09-06 06:48:10] [info] | Report Generation      | 0 minutes 0 seconds  |

[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info]             Summary
[2025-09-06 06:48:10] [info] -----
[2025-09-06 06:48:10] [info] Total Errors:   1094
[2025-09-06 06:48:10] [info] Total Warnings:    505
[2025-09-06 06:48:10] [info] DRC Status:      FAILED
```

[2025-09-06 06:48:44] [info] =====
[2025-09-06 06:48:44] [info] Design Rule Check Report
[2025-09-06 06:48:44] [info] =====

[2025-09-06 06:48:44] [info] Report Generated: 2025-09-06
[2025-09-06 06:48:44] [info] Run Start Time: 06:48:20 AM
[2025-09-06 06:48:44] [info] Run End Time: 06:48:44 AM
[2025-09-06 06:48:44] [info] Time Taken: 0 minutes 33 seconds

[2025-09-06 06:48:44] [info] Tool Version: LVR_2025.1
[2025-09-06 06:48:44] [info] Host Name: kuro-Workstation
[2025-09-06 06:48:44] [info] User Name: kuro
[2025-09-06 06:48:44] [info] Cores Used: 8
[2025-09-06 06:48:44] [info] Memory Utilized: 8380.65 MB / 62.569705963134766 GB

[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Top Cell Information
[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-09-06 06:48:44] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:48:44] [info] Database Format: GDSII
[2025-09-06 06:48:44] [info] Verification Mode: Full Check

[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Type of Errors | Count
[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] DB_WARN -> 1
[2025-09-06 06:48:44] [info] LRF_ERR001 -> 14
[2025-09-06 06:48:44] [info] DB_WARN002 -> 159
[2025-09-06 06:48:44] [info] DB_WARN003 -> 161
[2025-09-06 06:48:44] [info] DRC_ERR9 -> 818
[2025-09-06 06:48:44] [info] DRC_ERR -> 14
[2025-09-06 06:48:44] [info] DRC_ERR5 -> 39
[2025-09-06 06:48:44] [info] DRC_ERR4 -> 181
[2025-09-06 06:48:44] [info] DRC_ERR2 -> 8
[2025-09-06 06:48:44] [info] DRC_ERR1 -> 8

[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Rule Violation Summary

[2025-09-06 06:48:44] [info]	Rule ID	Description	Error Count
[2025-09-06 06:48:44] [info]	m5.1	"m5.1 : min. m5 width : 1.6um" 1	
[2025-09-06 06:48:44] [info]	li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 3	
[2025-09-06 06:48:44] [info]	li.1a	"li.1a : min. li width for the cells s8rf2_xcmvvp_hd5_* : 0.14um" 5	
[2025-09-06 06:48:44] [info]	poly.1a	"poly.1a : min. poly width : 0.15um" 19	
[2025-09-06 06:48:44] [info]	poly.7	"poly.7 : min. source/drain length : 0.25um" 8	
[2025-09-06 06:48:44] [info]	npc.1	"npc.1 : min. npc width : 0.27um" 17	
[2025-09-06 06:48:44] [info]	licon.8a	"licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" 12	
[2025-09-06 06:48:44] [info]	via1.5b	"via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 8	
[2025-09-06 06:48:44] [info]	m1.1	"m1.1 : min. m1 width : 0.14um" 757	
[2025-09-06 06:48:44] [info]	licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 50	
[2025-09-06 06:48:44] [info]	m1.2	"m1.2 : min. m1 spacing : 0.14um" 8	
[2025-09-06 06:48:44] [info]	m1.6	"m1.6 : min. m1 area : 0.083um ² " 6	
[2025-09-06 06:48:44] [info]	via1.5a	"via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 8	
[2025-09-06 06:48:44] [info]	m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 8	
[2025-09-06 06:48:44] [info]	m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 8	
[2025-09-06 06:48:44] [info]	li.1	"li.1 : min. li width : 0.17um" 5	
[2025-09-06 06:48:44] [info]	psdm.1	"psdm.1 : min. psdm width : 0.38um" 14	
[2025-09-06 06:48:44] [info]	licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 131	

[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Performance Metrics

```
[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] | Stage                | Time Taken |
[2025-09-06 06:48:44] [info] |-----|-----|
[2025-09-06 06:48:44] [info] | GDS Parsing          | 0 minutes 8 seconds |
[2025-09-06 06:48:44] [info] | Rule Checking        | 0 minutes 23 seconds |
[2025-09-06 06:48:44] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info]                Summary
[2025-09-06 06:48:44] [info] -----
[2025-09-06 06:48:44] [info] Total Errors:    1082
[2025-09-06 06:48:44] [info] Total Warnings:      321
[2025-09-06 06:48:44] [info] DRC Status:      FAILED
```

[2025-09-06 06:49:28] [info] =====
[2025-09-06 06:49:28] [info] Design Rule Check Report
[2025-09-06 06:49:28] [info] =====

[2025-09-06 06:49:28] [info] Report Generated: 2025-09-06
[2025-09-06 06:49:28] [info] Run Start Time: 06:48:57 AM
[2025-09-06 06:49:28] [info] Run End Time: 06:49:28 AM
[2025-09-06 06:49:28] [info] Time Taken: 0 minutes 41 seconds

[2025-09-06 06:49:28] [info] Tool Version: LVR_2025.1
[2025-09-06 06:49:28] [info] Host Name: kuro-Workstation
[2025-09-06 06:49:28] [info] User Name: kuro
[2025-09-06 06:49:28] [info] Cores Used: 8
[2025-09-06 06:49:28] [info] Memory Utilized: 10184.58 MB / 62.569705963134766 GB

[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Top Cell Information
[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 06:49:28] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:49:28] [info] Database Format: GDSII
[2025-09-06 06:49:28] [info] Verification Mode: Full Check

[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Type of Errors | Count
[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] DB_WARN -> 1
[2025-09-06 06:49:28] [info] LRF_ERR001 -> 14
[2025-09-06 06:49:28] [info] DB_WARN002 -> 157
[2025-09-06 06:49:28] [info] DB_WARN003 -> 159
[2025-09-06 06:49:28] [info] DRC_ERR9 -> 877
[2025-09-06 06:49:28] [info] DRC_ERR5 -> 27
[2025-09-06 06:49:28] [info] DRC_ERR -> 20
[2025-09-06 06:49:28] [info] DRC_ERR2 -> 8
[2025-09-06 06:49:28] [info] DRC_ERR1 -> 8
[2025-09-06 06:49:28] [info] DRC_ERR4 -> 136

[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Rule Violation Summary
[2025-09-06 06:49:28] [info] -----

Rule ID	Description	Error Count
m5.1	"m5.1 : min. m5 width : 1.6um" 1	
poly.7	"poly.7 : min. source/drain length : 0.25um" 8	
licon.5	"licon.5 : min. diff enclosure of licon : 0.04um" 135	
li.1	"li.1 : min. li width : 0.17um" 6	
li.1a	"li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" 6	
li.5	"li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" 3	
m1.1	"m1.1 : min. m1 width : 0.14um" 855	
licon.15	"licon.15 : min. npc enclosure of poly-licon : 0.1um" 1	
m1.2	"m1.2 : min. m1 spacing : 0.14um" 8	
m1.6	"m1.6 : min. m1 area : 0.083um ² " 7	
vial.5b	"vial.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" 8	
m2.1	"m2.1 : min. m2 width : 0.14um" 1	
vial.5a	"vial.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" 8	
m4.5	"m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" 8	
m4.5ab	"m4.5ab : min. 3um.m4 spacing m4 : 0.4um" 8	
li.6	"li.6 : min. li area : 0.0561um ² " 5	
poly.1a	"poly.1a : min. poly width : 0.15um" 8	

[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Performance Metrics
[2025-09-06 06:49:28] [info] -----

```
[2025-09-06 06:49:28] [info] | Stage | Time Taken |
[2025-09-06 06:49:28] [info] |-----|-----|
[2025-09-06 06:49:28] [info] | GDS Parsing | 0 minutes 11 seconds |
[2025-09-06 06:49:28] [info] | Rule Checking | 0 minutes 29 seconds |
[2025-09-06 06:49:28] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Summary
[2025-09-06 06:49:28] [info] -----
[2025-09-06 06:49:28] [info] Total Errors: 1090
[2025-09-06 06:49:28] [info] Total Warnings: 317
[2025-09-06 06:49:28] [info] DRC Status: FAILED
```

```

[2025-09-06 06:50:02] [info] =====
[2025-09-06 06:50:02] [info] Design Rule Check Report
[2025-09-06 06:50:02] [info] =====

[2025-09-06 06:50:02] [info] Report Generated: 2025-09-06
[2025-09-06 06:50:02] [info] Run Start Time: 06:49:38 AM
[2025-09-06 06:50:02] [info] Run End Time: 06:50:02 AM
[2025-09-06 06:50:02] [info] Time Taken: 0 minutes 32 seconds

[2025-09-06 06:50:02] [info] Tool Version: LVR_2025.1
[2025-09-06 06:50:02] [info] Host Name: kuro-Workstation
[2025-09-06 06:50:02] [info] User Name: kuro
[2025-09-06 06:50:02] [info] Cores Used: 8
[2025-09-06 06:50:02] [info] Memory Utilized: 7744.98 MB / 62.569705963134766 GB

[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Top Cell Information
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 06:50:02] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:50:02] [info] Database Format: GDSII
[2025-09-06 06:50:02] [info] Verification Mode: Full Check

[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Type of Errors | Count
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] DB_WARN -> 1
[2025-09-06 06:50:02] [info] LRF_ERR001 -> 14
[2025-09-06 06:50:02] [info] DB_WARN002 -> 152
[2025-09-06 06:50:02] [info] DB_WARN003 -> 155
[2025-09-06 06:50:02] [info] DRC_ERR5 -> 33
[2025-09-06 06:50:02] [info] DRC_ERR4 -> 178
[2025-09-06 06:50:02] [info] DRC_ERR9 -> 823
[2025-09-06 06:50:02] [info] DRC_ERR2 -> 8
[2025-09-06 06:50:02] [info] DRC_ERR -> 9
[2025-09-06 06:50:02] [info] DRC_ERR1 -> 8
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Rule Violation Summary
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] | Rule ID | Description | Error Count |
[2025-09-06 06:50:02] [info] |-----|-----|-----|
[2025-09-06 06:50:02] [info] | m5.1 | "m5.1 : min. m5 width : 1.6um" | 1 |
[2025-09-06 06:50:02] [info] | poly.7 | "poly.7 : min. source/drain length : 0.25um" | 2 |
[2025-09-06 06:50:02] [info] | li.5 | "li.5 : min. li enclosure of licon of 2 opposite edges : 0.08um" | 6 |
[2025-09-06 06:50:02] [info] | licon.8a | "licon.8a : min. poly enclosure of licon by one of 2 opposite edges : 0.08um" | 3 |
[2025-09-06 06:50:02] [info] | via1.5b | "via1.5b : min. m1 enclosure of 0.23um via of 2 opposite edges : 0.06um" | 8 |
[2025-09-06 06:50:02] [info] | m1.1 | "m1.1 : min. m1 width : 0.14um" | 765 |
[2025-09-06 06:50:02] [info] | li.1a | "li.1a : min. li width for the cells s8rf2_xcmvpp_hd5_* : 0.14um" | 22 |
[2025-09-06 06:50:02] [info] | licon.15 | "licon.15 : min. npc enclosure of poly-licon : 0.1um" | 47 |
[2025-09-06 06:50:02] [info] | m1.2 | "m1.2 : min. m1 spacing : 0.14um" | 8 |
[2025-09-06 06:50:02] [info] | m1.6 | "m1.6 : min. m1 area : 0.083um^2" | 6 |
[2025-09-06 06:50:02] [info] | via1.5a | "via1.5a : min. m1 enclosure of 0.15um via of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:50:02] [info] | m4.5 | "m4.5 : min. m4 enclosure of via3 of 2 opposite edges : 0.085um" | 8 |
[2025-09-06 06:50:02] [info] | m4.5ab | "m4.5ab : min. 3um.m4 spacing m4 : 0.4um" | 8 |
[2025-09-06 06:50:02] [info] | li.6 | "li.6 : min. li area : 0.0561um^2" | 1 |
[2025-09-06 06:50:02] [info] | poly.1a | "poly.1a : min. poly width : 0.15um" | 13 |
[2025-09-06 06:50:02] [info] | licon.5 | "licon.5 : min. diff enclosure of licon : 0.04um" | 131 |
[2025-09-06 06:50:02] [info] | li.1 | "li.1 : min. li width : 0.17um" | 22 |
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Performance Metrics
[2025-09-06 06:50:02] [info] -----

```

```
[2025-09-06 06:50:02] [info] | Stage | Time Taken |
[2025-09-06 06:50:02] [info] |-----|-----|
[2025-09-06 06:50:02] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-09-06 06:50:02] [info] | Rule Checking | 0 minutes 23 seconds |
[2025-09-06 06:50:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Summary
[2025-09-06 06:50:02] [info] -----
[2025-09-06 06:50:02] [info] Total Errors: 1073
[2025-09-06 06:50:02] [info] Total Warnings: 308
[2025-09-06 06:50:02] [info] DRC Status: FAILED
```

1.2 LVS Regression Summary Reports

```
[2025-08-29 10:21:09] [info] =====
[2025-08-29 10:21:09] [info]           Layout Versus Schematic Report
[2025-08-29 10:21:09] [info] =====

[2025-08-29 10:21:09] [info] Report Generated:    2025-08-29
[2025-08-29 10:21:09] [info] Run Start Time:     10:21:01 AM
[2025-08-29 10:21:09] [info] Run End Time:       10:21:08 AM
[2025-08-29 10:21:09] [info] Time Taken:         0 minutes 10 seconds

[2025-08-29 10:21:09] [info] Tool Version:       LVR_2025.1
[2025-08-29 10:21:09] [info] Host Name:          kuro-Workstation
[2025-08-29 10:21:09] [info] User Name:          kuro
[2025-08-29 10:21:09] [info] Cores Used:         16
[2025-08-29 10:21:09] [info] Memory Utilized:    1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Top Cell Match
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] Layout Top Cell:    aes_cipher_top
[2025-08-29 10:21:09] [info] Schematic Top Cell: aes_cipher_top
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Netlist Statistics
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:21:09] [info] |-----|-----|-----|
[2025-08-29 10:21:09] [info] | Total Nets             | 22584       | 23090       |
[2025-08-29 10:21:09] [info] | Total Instances        | 271307      | 22275       |
[2025-08-29 10:21:09] [info] | Total Pins             | 239003      | 117070      |
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] Total Schematic Instances: 22274
[2025-08-29 10:21:09] [info] Matched Instances:       21587
[2025-08-29 10:21:09] [info] Match Percentage: 96.92%

[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Short and Open Checks
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] Short Circuits:       None Detected
[2025-08-29 10:21:09] [info] Open Circuits:        None Detected

[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Performance Metrics
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] | Stage                  | Time Taken |
[2025-08-29 10:21:09] [info] |-----|-----|
[2025-08-29 10:21:09] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:21:09] [info] | Connectivity Extraction | 0 minutes 5 seconds |
[2025-08-29 10:21:09] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:21:09] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]           Additional Details
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:21:09] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:21:09] [info] Database Format:       GDSII
[2025-08-29 10:21:09] [info] Verification Mode:    Full Check
[2025-08-29 10:21:09] [info] Error Reporting:      Enabled
```

```

[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]                      Type of Errors | Count
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] DB_WARN -> 1
[2025-08-29 10:21:09] [info] DB_WARN003 -> 221
[2025-08-29 10:21:09] [info] VERI_WARN012 -> 508
[2025-08-29 10:21:09] [info] LVS_ERR019 -> 651
[2025-08-29 10:21:09] [info] LVS_ERR003 -> 649
[2025-08-29 10:21:09] [info] ERC_ERR003 -> 649
[2025-08-29 10:21:09] [info] LVS_ERR025 -> 2
[2025-08-29 10:21:09] [info] ERC_ERR008 -> 2
[2025-08-29 10:21:09] [info] LVS_ERR020 -> 1
[2025-08-29 10:21:09] [info] LVS_ERR005 -> 687
[2025-08-29 10:21:09] [info] LVS_ERR030 -> 1
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info]                      Summary
[2025-08-29 10:21:09] [info] -----
[2025-08-29 10:21:09] [info] LVS Status:          PASSED
[2025-08-29 10:21:09] [info] Instance Match Percentage: 96.92%
[2025-08-29 10:21:09] [info] Short Circuits:      None Detected
[2025-08-29 10:21:09] [info] Open Circuits:       None Detected
[2025-08-29 10:21:09] [info] Unconnected Pins:    751
[2025-08-29 10:21:09] [info] Total Errors:        2642
[2025-08-29 10:21:09] [info] Total Warnings:      730
[2025-08-29 10:21:09] [info] Critical Issues:     None

```

```

[2025-09-02 05:57:50] [info] =====
[2025-09-02 05:57:50] [info]             Layout Versus Schematic Report
[2025-09-02 05:57:50] [info] =====

[2025-09-02 05:57:50] [info] Report Generated:    2025-09-02
[2025-09-02 05:57:50] [info] Run Start Time:      05:57:42 AM
[2025-09-02 05:57:50] [info] Run End Time:        05:57:50 AM
[2025-09-02 05:57:50] [info] Time Taken:          0 minutes 10 seconds

[2025-09-02 05:57:50] [info] Tool Version:        LVR_2025.1
[2025-09-02 05:57:50] [info] Host Name:           kuro-Workstation
[2025-09-02 05:57:50] [info] User Name:           kuro
[2025-09-02 05:57:50] [info] Cores Used:          16
[2025-09-02 05:57:50] [info] Memory Utilized:     1469.68 MB / 62.569698333740234 GB

[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]             Top Cell Match
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] Layout Top Cell:     aes_cipher_top
[2025-09-02 05:57:50] [info] Schematic Top Cell:  aes_cipher_top
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]             Netlist Statistics
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] | Metric                | Layout      | Schematic   |
[2025-09-02 05:57:50] [info] |-----|-----|-----|
[2025-09-02 05:57:50] [info] | Total Nets             | 22535       | 23041       |
[2025-09-02 05:57:50] [info] | Total Instances        | 282214      | 22253       |
[2025-09-02 05:57:50] [info] | Total Pins             | 251455      | 116968      |
[2025-09-02 05:57:50] [info] |-----|-----|-----|
[2025-09-02 05:57:50] [info]             Pin to Net Mapping Percentage
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] Total Schematic Instances:    22253
[2025-09-02 05:57:50] [info] Matched Instances:           21554
[2025-09-02 05:57:50] [info] Match Percentage: 96.86%

[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]             Short and Open Checks
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] Short Circuits:             None Detected
[2025-09-02 05:57:50] [info] Open Circuits:              Open Detected

[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]             Performance Metrics
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] | Stage                    | Time Taken |
[2025-09-02 05:57:50] [info] |-----|-----|
[2025-09-02 05:57:50] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-02 05:57:50] [info] | Connectivity Extraction   | 0 minutes 5 seconds |
[2025-09-02 05:57:50] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-02 05:57:50] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]             Additional Details
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] Technology Node:           Nangate45 (45nm)
[2025-09-02 05:57:50] [info] Hierarchical Cells:        Flattened
[2025-09-02 05:57:50] [info] Database Format:            GDSII
[2025-09-02 05:57:50] [info] Verification Mode:         Full Check
[2025-09-02 05:57:50] [info] Error Reporting:           Enabled

[2025-09-02 05:57:50] [info] -----

```

```
[2025-09-02 05:57:50] [info]                                Type of Errors | Count
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] DB_WARN -> 1
[2025-09-02 05:57:50] [info] DB_WARN003 -> 219
[2025-09-02 05:57:50] [info] VERI_WARN012 -> 508
[2025-09-02 05:57:50] [info] LVS_ERR018 -> 1
[2025-09-02 05:57:50] [info] LVS_ERR019 -> 663
[2025-09-02 05:57:50] [info] LVS_ERR003 -> 661
[2025-09-02 05:57:50] [info] ERC_ERR003 -> 661
[2025-09-02 05:57:50] [info] LVS_ERR025 -> 2
[2025-09-02 05:57:50] [info] ERC_ERR008 -> 2
[2025-09-02 05:57:50] [info] LVS_ERR005 -> 699
[2025-09-02 05:57:50] [info] LVS_ERR030 -> 1
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info]                                Summary
[2025-09-02 05:57:50] [info] -----
[2025-09-02 05:57:50] [info] LVS Status:                PASSED
[2025-09-02 05:57:50] [info] Instance Match Percentage: 96.86%
[2025-09-02 05:57:50] [info] Short Circuits:            None Detected
[2025-09-02 05:57:50] [info] Open Circuits:             Open Detected
[2025-09-02 05:57:50] [info] Unconnected Pins:          763
[2025-09-02 05:57:50] [info] Total Errors:               2690
[2025-09-02 05:57:50] [info] Total Warnings:             728
[2025-09-02 05:57:50] [info] Critical Issues:            None
```

```

[2025-08-29 10:21:24] [info] =====
[2025-08-29 10:21:24] [info]             Layout Versus Schematic Report
[2025-08-29 10:21:24] [info] =====

[2025-08-29 10:21:24] [info] Report Generated:    2025-08-29
[2025-08-29 10:21:24] [info] Run Start Time:      10:21:16 AM
[2025-08-29 10:21:24] [info] Run End Time:        10:21:23 AM
[2025-08-29 10:21:24] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:21:24] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:21:24] [info] Host Name:           kuro-Workstation
[2025-08-29 10:21:24] [info] User Name:           kuro
[2025-08-29 10:21:24] [info] Cores Used:          16
[2025-08-29 10:21:24] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]             Top Cell Match
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:21:24] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]             Netlist Statistics
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:21:24] [info] |-----|-----|-----|
[2025-08-29 10:21:24] [info] | Total Nets             | 22516       | 23022       |
[2025-08-29 10:21:24] [info] | Total Instances        | 269556      | 22222       |
[2025-08-29 10:21:24] [info] | Total Pins             | 233667      | 116862      |
[2025-08-29 10:21:24] [info] |-----|-----|-----|
[2025-08-29 10:21:24] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] Total Schematic Instances: 22222
[2025-08-29 10:21:24] [info] Matched Instances:      21505
[2025-08-29 10:21:24] [info] Match Percentage: 96.77%

[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]             Short and Open Checks
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] Short Circuits:       None Detected
[2025-08-29 10:21:24] [info] Open Circuits:        None Detected

[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]             Performance Metrics
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] | Stage                  | Time Taken |
[2025-08-29 10:21:24] [info] |-----|-----|
[2025-08-29 10:21:24] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:21:24] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:21:24] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:21:24] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]             Additional Details
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:21:24] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:21:24] [info] Database Format:        GDSII
[2025-08-29 10:21:24] [info] Verification Mode:     Full Check
[2025-08-29 10:21:24] [info] Error Reporting:       Enabled

[2025-08-29 10:21:24] [info] -----

```

```

[2025-08-29 10:21:24] [info]                                Type of Errors | Count
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] DB_WARN -> 1
[2025-08-29 10:21:24] [info] DB_WARN003 -> 221
[2025-08-29 10:21:24] [info] VERI_WARN012 -> 508
[2025-08-29 10:21:24] [info] LVS_ERR019 -> 686
[2025-08-29 10:21:24] [info] LVS_ERR003 -> 685
[2025-08-29 10:21:24] [info] ERC_ERR003 -> 685
[2025-08-29 10:21:24] [info] LVS_ERR025 -> 1
[2025-08-29 10:21:24] [info] ERC_ERR008 -> 1
[2025-08-29 10:21:24] [info] LVS_ERR005 -> 717
[2025-08-29 10:21:24] [info] LVS_ERR030 -> 1
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info]                                Summary
[2025-08-29 10:21:24] [info] -----
[2025-08-29 10:21:24] [info] LVS Status:                PASSED
[2025-08-29 10:21:24] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:21:24] [info] Short Circuits:           None Detected
[2025-08-29 10:21:24] [info] Open Circuits:            None Detected
[2025-08-29 10:21:24] [info] Unconnected Pins:         786
[2025-08-29 10:21:24] [info] Total Errors:              2776
[2025-08-29 10:21:24] [info] Total Warnings:           730
[2025-08-29 10:21:24] [info] Critical Issues:          None

```

```

[2025-08-29 10:20:58] [info] =====
[2025-08-29 10:20:58] [info]           Layout Versus Schematic Report
[2025-08-29 10:20:58] [info] =====

[2025-08-29 10:20:58] [info] Report Generated:    2025-08-29
[2025-08-29 10:20:58] [info] Run Start Time:      10:20:58 AM
[2025-08-29 10:20:58] [info] Run End Time:        10:20:58 AM
[2025-08-29 10:20:58] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:20:58] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:20:58] [info] Host Name:           kuro-Workstation
[2025-08-29 10:20:58] [info] User Name:           kuro
[2025-08-29 10:20:58] [info] Cores Used:          16
[2025-08-29 10:20:58] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]           Top Cell Match
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Layout Top Cell:     gcd
[2025-08-29 10:20:58] [info] Schematic Top Cell:  gcd
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]           Netlist Statistics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:20:58] [info] |-----|-----|-----|
[2025-08-29 10:20:58] [info] | Total Nets             | 485         | 519         |
[2025-08-29 10:20:58] [info] | Total Instances        | 4642        | 428         |
[2025-08-29 10:20:58] [info] | Total Pins             | 4999        | 2165        |
[2025-08-29 10:20:58] [info] |-----|-----|-----|
[2025-08-29 10:20:58] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Total Schematic Instances:    428
[2025-08-29 10:20:58] [info] Matched Instances:           392
[2025-08-29 10:20:58] [info] Match Percentage: 91.59%

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]           Short and Open Checks
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Short Circuits:      None Detected
[2025-08-29 10:20:58] [info] Open Circuits:       Open Detected

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]           Performance Metrics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Stage                | Time Taken |
[2025-08-29 10:20:58] [info] |-----|-----|
[2025-08-29 10:20:58] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]           Additional Details
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:20:58] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:20:58] [info] Database Format:       GDSII
[2025-08-29 10:20:58] [info] Verification Mode:    Full Check
[2025-08-29 10:20:58] [info] Error Reporting:      Enabled

[2025-08-29 10:20:58] [info] -----

```

```

[2025-08-29 10:20:58] [info]                                Type of Errors | Count
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] DB_WARN -> 1
[2025-08-29 10:20:58] [info] DB_WARN003 -> 24
[2025-08-29 10:20:58] [info] VERI_WARN012 -> 41
[2025-08-29 10:20:58] [info] LVS_ERR018 -> 1
[2025-08-29 10:20:58] [info] LVS_ERR019 -> 33
[2025-08-29 10:20:58] [info] LVS_ERR003 -> 31
[2025-08-29 10:20:58] [info] ERC_ERR003 -> 31
[2025-08-29 10:20:58] [info] LVS_ERR025 -> 2
[2025-08-29 10:20:58] [info] ERC_ERR008 -> 2
[2025-08-29 10:20:58] [info] LVS_ERR005 -> 36
[2025-08-29 10:20:58] [info] LVS_ERR030 -> 1
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]                                Summary
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] LVS Status:                PASSED
[2025-08-29 10:20:58] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:20:58] [info] Short Circuits:           None Detected
[2025-08-29 10:20:58] [info] Open Circuits:            Open Detected
[2025-08-29 10:20:58] [info] Unconnected Pins:         133
[2025-08-29 10:20:58] [info] Total Errors:              137
[2025-08-29 10:20:58] [info] Total Warnings:           66
[2025-08-29 10:20:58] [info] Critical Issues:          None

```

```

[2025-08-29 10:20:58] [info] =====
[2025-08-29 10:20:58] [info] Layout Versus Schematic Report
[2025-08-29 10:20:58] [info] =====

[2025-08-29 10:20:58] [info] Report Generated: 2025-08-29
[2025-08-29 10:20:58] [info] Run Start Time: 10:20:58 AM
[2025-08-29 10:20:58] [info] Run End Time: 10:20:58 AM
[2025-08-29 10:20:58] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:20:58] [info] Tool Version: LVR_2025.1
[2025-08-29 10:20:58] [info] Host Name: kuro-Workstation
[2025-08-29 10:20:58] [info] User Name: kuro
[2025-08-29 10:20:58] [info] Cores Used: 16
[2025-08-29 10:20:58] [info] Memory Utilized: 31.00 MB / 62.569698333740234 GB

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Top Cell Match
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Layout Top Cell: gcd
[2025-08-29 10:20:58] [info] Schematic Top Cell: gcd
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Netlist Statistics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Metric | Layout | Schematic |
[2025-08-29 10:20:58] [info] |-----|-----|-----|
[2025-08-29 10:20:58] [info] | Total Nets | 482 | 516 |
[2025-08-29 10:20:58] [info] | Total Instances | 4922 | 427 |
[2025-08-29 10:20:58] [info] | Total Pins | 5189 | 2161 |
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Pin to Net Mapping Percentage
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Total Schematic Instances: 426
[2025-08-29 10:20:58] [info] Matched Instances: 391
[2025-08-29 10:20:58] [info] Match Percentage: 91.78%

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Short and Open Checks
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Short Circuits: None Detected
[2025-08-29 10:20:58] [info] Open Circuits: None Detected

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Performance Metrics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Stage | Time Taken |
[2025-08-29 10:20:58] [info] |-----|-----|
[2025-08-29 10:20:58] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Additional Details
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:20:58] [info] Hierarchical Cells: Flattened
[2025-08-29 10:20:58] [info] Database Format: GDSII
[2025-08-29 10:20:58] [info] Verification Mode: Full Check
[2025-08-29 10:20:58] [info] Error Reporting: Enabled

[2025-08-29 10:20:58] [info] -----

```

```

[2025-08-29 10:20:58] [info]                                Type of Errors | Count
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] DB_WARN -> 1
[2025-08-29 10:20:58] [info] DB_WARN003 -> 34
[2025-08-29 10:20:58] [info] VERI_WARN012 -> 40
[2025-08-29 10:20:58] [info] LVS_ERR019 -> 34
[2025-08-29 10:20:58] [info] LVS_ERR003 -> 32
[2025-08-29 10:20:58] [info] ERC_ERR003 -> 32
[2025-08-29 10:20:58] [info] LVS_ERR025 -> 2
[2025-08-29 10:20:58] [info] ERC_ERR008 -> 2
[2025-08-29 10:20:58] [info] LVS_ERR020 -> 1
[2025-08-29 10:20:58] [info] LVS_ERR005 -> 35
[2025-08-29 10:20:58] [info] LVS_ERR030 -> 1
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]                                Summary
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] LVS Status:                PASSED
[2025-08-29 10:20:58] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:20:58] [info] Short Circuits:           None Detected
[2025-08-29 10:20:58] [info] Open Circuits:            None Detected
[2025-08-29 10:20:58] [info] Unconnected Pins:         134
[2025-08-29 10:20:58] [info] Total Errors:              139
[2025-08-29 10:20:58] [info] Total Warnings:           75
[2025-08-29 10:20:58] [info] Critical Issues:          None

```

```

[2025-08-29 10:20:58] [info] =====
[2025-08-29 10:20:58] [info]             Layout Versus Schematic Report
[2025-08-29 10:20:58] [info] =====

[2025-08-29 10:20:58] [info] Report Generated:    2025-08-29
[2025-08-29 10:20:58] [info] Run Start Time:      10:20:58 AM
[2025-08-29 10:20:58] [info] Run End Time:        10:20:58 AM
[2025-08-29 10:20:58] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:20:58] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:20:58] [info] Host Name:           kuro-Workstation
[2025-08-29 10:20:58] [info] User Name:           kuro
[2025-08-29 10:20:58] [info] Cores Used:          16
[2025-08-29 10:20:58] [info] Memory Utilized:     30.44 MB / 62.569698333740234 GB

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]             Top Cell Match
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Layout Top Cell:     gcd
[2025-08-29 10:20:58] [info] Schematic Top Cell:  gcd
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]             Netlist Statistics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:20:58] [info] |-----|-----|-----|
[2025-08-29 10:20:58] [info] | Total Nets             | 489         | 523         |
[2025-08-29 10:20:58] [info] | Total Instances        | 4681        | 427         |
[2025-08-29 10:20:58] [info] | Total Pins             | 4941        | 2165        |
[2025-08-29 10:20:58] [info] |-----|-----|-----|
[2025-08-29 10:20:58] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Total Schematic Instances:    427
[2025-08-29 10:20:58] [info] Matched Instances:           389
[2025-08-29 10:20:58] [info] Match Percentage: 91.10%

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]             Short and Open Checks
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Short Circuits:             None Detected
[2025-08-29 10:20:58] [info] Open Circuits:              None Detected

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]             Performance Metrics
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] | Stage                    | Time Taken |
[2025-08-29 10:20:58] [info] |-----|-----|
[2025-08-29 10:20:58] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Connectivity Extraction   | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-08-29 10:20:58] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]             Additional Details
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] Technology Node:            Nangate45 (45nm)
[2025-08-29 10:20:58] [info] Hierarchical Cells:        Flattened
[2025-08-29 10:20:58] [info] Database Format:            GDSII
[2025-08-29 10:20:58] [info] Verification Mode:         Full Check
[2025-08-29 10:20:58] [info] Error Reporting:           Enabled

[2025-08-29 10:20:58] [info] -----

```

```
[2025-08-29 10:20:58] [info]                                Type of Errors | Count
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] DB_WARN -> 1
[2025-08-29 10:20:58] [info] DB_WARN003 -> 26
[2025-08-29 10:20:58] [info] VERI_WARN012 -> 39
[2025-08-29 10:20:58] [info] LVS_ERR019 -> 38
[2025-08-29 10:20:58] [info] LVS_ERR003 -> 36
[2025-08-29 10:20:58] [info] ERC_ERR003 -> 36
[2025-08-29 10:20:58] [info] LVS_ERR025 -> 2
[2025-08-29 10:20:58] [info] ERC_ERR008 -> 2
[2025-08-29 10:20:58] [info] LVS_ERR005 -> 38
[2025-08-29 10:20:58] [info] LVS_ERR030 -> 1
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info]                                Summary
[2025-08-29 10:20:58] [info] -----
[2025-08-29 10:20:58] [info] LVS Status:                PASSED
[2025-08-29 10:20:58] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:20:58] [info] Short Circuits:           None Detected
[2025-08-29 10:20:58] [info] Open Circuits:            None Detected
[2025-08-29 10:20:58] [info] Unconnected Pins:         138
[2025-08-29 10:20:58] [info] Total Errors:              153
[2025-08-29 10:20:58] [info] Total Warnings:            66
[2025-08-29 10:20:58] [info] Critical Issues:          None
```

```

[2025-08-29 10:21:34] [info] =====
[2025-08-29 10:21:34] [info]             Layout Versus Schematic Report
[2025-08-29 10:21:34] [info] =====

[2025-08-29 10:21:34] [info] Report Generated:    2025-08-29
[2025-08-29 10:21:34] [info] Run Start Time:      10:21:27 AM
[2025-08-29 10:21:34] [info] Run End Time:        10:21:34 AM
[2025-08-29 10:21:34] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:21:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:21:34] [info] Host Name:           kuro-Workstation
[2025-08-29 10:21:34] [info] User Name:           kuro
[2025-08-29 10:21:34] [info] Cores Used:          16
[2025-08-29 10:21:34] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]             Top Cell Match
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:21:34] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]             Netlist Statistics
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:21:34] [info] |-----|-----|-----|
[2025-08-29 10:21:34] [info] | Total Nets             | 20853       | 21678       |
[2025-08-29 10:21:34] [info] | Total Instances        | 235969      | 18896       |
[2025-08-29 10:21:34] [info] | Total Pins             | 219487      | 104536      |
[2025-08-29 10:21:34] [info] |-----|-----|-----|
[2025-08-29 10:21:34] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] Total Schematic Instances: 18895
[2025-08-29 10:21:34] [info] Matched Instances:        17934
[2025-08-29 10:21:34] [info] Match Percentage: 94.91%

[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]             Short and Open Checks
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] Short Circuits:        None Detected
[2025-08-29 10:21:34] [info] Open Circuits:         None Detected

[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]             Performance Metrics
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] | Stage                  | Time Taken |
[2025-08-29 10:21:34] [info] |-----|-----|
[2025-08-29 10:21:34] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:21:34] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:21:34] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:21:34] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]             Additional Details
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:21:34] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:21:34] [info] Database Format:         GDSII
[2025-08-29 10:21:34] [info] Verification Mode:      Full Check
[2025-08-29 10:21:34] [info] Error Reporting:        Enabled

[2025-08-29 10:21:34] [info] -----

```

```

[2025-08-29 10:21:34] [info]                                Type of Errors | Count
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] DB_WARN -> 1
[2025-08-29 10:21:34] [info] DB_WARN003 -> 85
[2025-08-29 10:21:34] [info] VERI_WARN012 -> 828
[2025-08-29 10:21:34] [info] LVS_ERR019 -> 903
[2025-08-29 10:21:34] [info] LVS_ERR003 -> 894
[2025-08-29 10:21:34] [info] ERC_ERR003 -> 894
[2025-08-29 10:21:34] [info] LVS_ERR025 -> 1
[2025-08-29 10:21:34] [info] ERC_ERR008 -> 1
[2025-08-29 10:21:34] [info] LVS_ERR020 -> 1
[2025-08-29 10:21:34] [info] LVS_ERR005 -> 961
[2025-08-29 10:21:34] [info] LVS_ERR030 -> 1
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info]                                Summary
[2025-08-29 10:21:34] [info] -----
[2025-08-29 10:21:34] [info] LVS Status:                PASSED
[2025-08-29 10:21:34] [info] Instance Match Percentage: 94.91%
[2025-08-29 10:21:34] [info] Short Circuits:           None Detected
[2025-08-29 10:21:34] [info] Open Circuits:            None Detected
[2025-08-29 10:21:34] [info] Unconnected Pins:         1003
[2025-08-29 10:21:34] [info] Total Errors:              3656
[2025-08-29 10:21:34] [info] Total Warnings:           914
[2025-08-29 10:21:34] [info] Critical Issues:          None

```

```

[2025-09-02 05:58:01] [info] =====
[2025-09-02 05:58:01] [info] Layout Versus Schematic Report
[2025-09-02 05:58:01] [info] =====

[2025-09-02 05:58:01] [info] Report Generated: 2025-09-02
[2025-09-02 05:58:01] [info] Run Start Time: 05:57:54 AM
[2025-09-02 05:58:01] [info] Run End Time: 05:58:01 AM
[2025-09-02 05:58:01] [info] Time Taken: 0 minutes 10 seconds

[2025-09-02 05:58:01] [info] Tool Version: LVR_2025.1
[2025-09-02 05:58:01] [info] Host Name: kuro-Workstation
[2025-09-02 05:58:01] [info] User Name: kuro
[2025-09-02 05:58:01] [info] Cores Used: 16
[2025-09-02 05:58:01] [info] Memory Utilized: 1601.60 MB / 62.569698333740234 GB

[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Top Cell Match
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Layout Top Cell: ibex_core
[2025-09-02 05:58:01] [info] Schematic Top Cell: ibex_core
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Netlist Statistics
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] | Metric | Layout | Schematic |
[2025-09-02 05:58:01] [info] |-----|-----|-----|
[2025-09-02 05:58:01] [info] | Total Nets | 20853 | 21678 |
[2025-09-02 05:58:01] [info] | Total Instances | 245499 | 18933 |
[2025-09-02 05:58:01] [info] | Total Pins | 230379 | 104624 |
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Pin to Net Mapping Percentage
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Total Schematic Instances: 18933
[2025-09-02 05:58:01] [info] Matched Instances: 13384
[2025-09-02 05:58:01] [info] Match Percentage: 70.69%

[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Short and Open Checks
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Short Circuits: None Detected
[2025-09-02 05:58:01] [info] Open Circuits: None Detected

[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Performance Metrics
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] | Stage | Time Taken |
[2025-09-02 05:58:01] [info] |-----|-----|
[2025-09-02 05:58:01] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-02 05:58:01] [info] | Connectivity Extraction | 0 minutes 5 seconds |
[2025-09-02 05:58:01] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-02 05:58:01] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Additional Details
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] Technology Node: Nangate45 (45nm)
[2025-09-02 05:58:01] [info] Hierarchical Cells: Flattened
[2025-09-02 05:58:01] [info] Database Format: GDSII
[2025-09-02 05:58:01] [info] Verification Mode: Full Check
[2025-09-02 05:58:01] [info] Error Reporting: Enabled

[2025-09-02 05:58:01] [info] -----

```

```

[2025-09-02 05:58:01] [info]                                Type of Errors | Count
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] DB_WARN -> 1
[2025-09-02 05:58:01] [info] DB_WARN003 -> 85
[2025-09-02 05:58:01] [info] VERI_WARN012 -> 828
[2025-09-02 05:58:01] [info] LVS_ERR019 -> 893
[2025-09-02 05:58:01] [info] LVS_ERR003 -> 883
[2025-09-02 05:58:01] [info] ERC_ERR003 -> 883
[2025-09-02 05:58:01] [info] LVS_ERR025 -> 2
[2025-09-02 05:58:01] [info] ERC_ERR008 -> 2
[2025-09-02 05:58:01] [info] LVS_ERR005 -> 5549
[2025-09-02 05:58:01] [info] LVS_ERR030 -> 1
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info]                                Summary
[2025-09-02 05:58:01] [info] -----
[2025-09-02 05:58:01] [info] LVS Status:                PASSED
[2025-09-02 05:58:01] [info] Instance Match Percentage: 70.69%
[2025-09-02 05:58:01] [info] Short Circuits:           None Detected
[2025-09-02 05:58:01] [info] Open Circuits:            None Detected
[2025-09-02 05:58:01] [info] Unconnected Pins:         993
[2025-09-02 05:58:01] [info] Total Errors:              8213
[2025-09-02 05:58:01] [info] Total Warnings:           914
[2025-09-02 05:58:01] [info] Critical Issues:          None

```

```

[2025-08-29 10:21:49] [info] =====
[2025-08-29 10:21:49] [info]             Layout Versus Schematic Report
[2025-08-29 10:21:49] [info] =====

[2025-08-29 10:21:49] [info] Report Generated:    2025-08-29
[2025-08-29 10:21:49] [info] Run Start Time:      10:21:42 AM
[2025-08-29 10:21:49] [info] Run End Time:        10:21:49 AM
[2025-08-29 10:21:49] [info] Time Taken:          0 minutes 9 seconds

[2025-08-29 10:21:49] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:21:49] [info] Host Name:           kuro-Workstation
[2025-08-29 10:21:49] [info] User Name:           kuro
[2025-08-29 10:21:49] [info] Cores Used:          16
[2025-08-29 10:21:49] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]             Top Cell Match
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:21:49] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]             Netlist Statistics
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:21:49] [info] |-----|-----|-----|
[2025-08-29 10:21:49] [info] | Total Nets             | 20848       | 21673       |
[2025-08-29 10:21:49] [info] | Total Instances        | 231162      | 18863       |
[2025-08-29 10:21:49] [info] | Total Pins             | 210404      | 104404      |
[2025-08-29 10:21:49] [info] |-----|-----|-----|
[2025-08-29 10:21:49] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] Total Schematic Instances: 18863
[2025-08-29 10:21:49] [info] Matched Instances:        17920
[2025-08-29 10:21:49] [info] Match Percentage: 95.00%

[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]             Short and Open Checks
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] Short Circuits:        None Detected
[2025-08-29 10:21:49] [info] Open Circuits:         None Detected

[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]             Performance Metrics
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] | Stage                  | Time Taken |
[2025-08-29 10:21:49] [info] |-----|-----|
[2025-08-29 10:21:49] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:21:49] [info] | Connectivity Extraction | 0 minutes 5 seconds |
[2025-08-29 10:21:49] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:21:49] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]             Additional Details
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:21:49] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:21:49] [info] Database Format:        GDSII
[2025-08-29 10:21:49] [info] Verification Mode:     Full Check
[2025-08-29 10:21:49] [info] Error Reporting:       Enabled

[2025-08-29 10:21:49] [info] -----

```

```

[2025-08-29 10:21:49] [info]                                Type of Errors | Count
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] DB_WARN -> 1
[2025-08-29 10:21:49] [info] DB_WARN003 -> 98
[2025-08-29 10:21:49] [info] VERI_WARN012 -> 828
[2025-08-29 10:21:49] [info] LVS_ERR019 -> 880
[2025-08-29 10:21:49] [info] LVS_ERR003 -> 871
[2025-08-29 10:21:49] [info] ERC_ERR003 -> 871
[2025-08-29 10:21:49] [info] LVS_ERR025 -> 1
[2025-08-29 10:21:49] [info] ERC_ERR008 -> 1
[2025-08-29 10:21:49] [info] LVS_ERR005 -> 943
[2025-08-29 10:21:49] [info] LVS_ERR030 -> 1
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info]                                Summary
[2025-08-29 10:21:49] [info] -----
[2025-08-29 10:21:49] [info] LVS Status:                PASSED
[2025-08-29 10:21:49] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:21:49] [info] Short Circuits:           None Detected
[2025-08-29 10:21:49] [info] Open Circuits:            None Detected
[2025-08-29 10:21:49] [info] Unconnected Pins:         980
[2025-08-29 10:21:49] [info] Total Errors:              3568
[2025-08-29 10:21:49] [info] Total Warnings:           927
[2025-08-29 10:21:49] [info] Critical Issues:          None

```

```

[2025-08-29 10:22:22] [info] =====
[2025-08-29 10:22:22] [info]             Layout Versus Schematic Report
[2025-08-29 10:22:22] [info] =====

[2025-08-29 10:22:22] [info] Report Generated:    2025-08-29
[2025-08-29 10:22:22] [info] Run Start Time:      10:22:00 AM
[2025-08-29 10:22:22] [info] Run End Time:        10:22:21 AM
[2025-08-29 10:22:22] [info] Time Taken:          0 minutes 31 seconds

[2025-08-29 10:22:22] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:22:22] [info] Host Name:           kuro-Workstation
[2025-08-29 10:22:22] [info] User Name:           kuro
[2025-08-29 10:22:22] [info] Cores Used:          16
[2025-08-29 10:22:22] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info]             Top Cell Match
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:22:22] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info]             Netlist Statistics
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:22:22] [info] |-----|-----|-----|
[2025-08-29 10:22:22] [info] | Total Nets             | 69401       | 73466       |
[2025-08-29 10:22:22] [info] | Total Instances        | 625384      | 56662       |
[2025-08-29 10:22:22] [info] | Total Pins             | 660922      | 302058      |
[2025-08-29 10:22:22] [info] |-----|-----|-----|
[2025-08-29 10:22:22] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] Total Schematic Instances: 56662
[2025-08-29 10:22:22] [info] Matched Instances:       52362
[2025-08-29 10:22:22] [info] Match Percentage: 92.41%

[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info]             Short and Open Checks
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] Short Circuits:        None Detected
[2025-08-29 10:22:22] [info] Open Circuits:         None Detected

[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info]             Performance Metrics
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] | Stage                  | Time Taken |
[2025-08-29 10:22:22] [info] |-----|-----|
[2025-08-29 10:22:22] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:22:22] [info] | Connectivity Extraction  | 0 minutes 16 seconds |
[2025-08-29 10:22:22] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:22:22] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info]             Additional Details
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:22:22] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:22:22] [info] Database Format:        GDSII
[2025-08-29 10:22:22] [info] Verification Mode:     Full Check
[2025-08-29 10:22:22] [info] Error Reporting:       Enabled

[2025-08-29 10:22:22] [info] -----

```

```
[2025-08-29 10:22:22] [info] Type of Errors | Count
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] DB_WARN -> 1
[2025-08-29 10:22:22] [info] DB_WARN003 -> 37
[2025-08-29 10:22:22] [info] VERI_WARN012 -> 4068
[2025-08-29 10:22:22] [info] LVS_ERR019 -> 4068
[2025-08-29 10:22:22] [info] LVS_ERR003 -> 4066
[2025-08-29 10:22:22] [info] ERC_ERR003 -> 4066
[2025-08-29 10:22:22] [info] LVS_ERR025 -> 2
[2025-08-29 10:22:22] [info] ERC_ERR008 -> 2
[2025-08-29 10:22:22] [info] LVS_ERR005 -> 4300
[2025-08-29 10:22:22] [info] LVS_ERR030 -> 1
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] Summary
[2025-08-29 10:22:22] [info] -----
[2025-08-29 10:22:22] [info] LVS Status: PASSED
[2025-08-29 10:22:22] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:22:22] [info] Short Circuits: None Detected
[2025-08-29 10:22:22] [info] Open Circuits: None Detected
[2025-08-29 10:22:22] [info] Unconnected Pins: 4168
[2025-08-29 10:22:22] [info] Total Errors: 16505
[2025-08-29 10:22:22] [info] Total Warnings: 4106
[2025-08-29 10:22:22] [info] Critical Issues: None
```

```

[2025-08-29 10:22:56] [info] =====
[2025-08-29 10:22:56] [info]           Layout Versus Schematic Report
[2025-08-29 10:22:56] [info] =====

[2025-08-29 10:22:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:22:56] [info] Run Start Time:      10:22:33 AM
[2025-08-29 10:22:56] [info] Run End Time:        10:22:56 AM
[2025-08-29 10:22:56] [info] Time Taken:          0 minutes 33 seconds

[2025-08-29 10:22:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:22:56] [info] Host Name:           kuro-Workstation
[2025-08-29 10:22:56] [info] User Name:           kuro
[2025-08-29 10:22:56] [info] Cores Used:          16
[2025-08-29 10:22:56] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]           Top Cell Match
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:22:56] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]           Netlist Statistics
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:22:56] [info] |-----|-----|-----|
[2025-08-29 10:22:56] [info] | Total Nets             | 69389       | 73454       |
[2025-08-29 10:22:56] [info] | Total Instances        | 657399      | 56662       |
[2025-08-29 10:22:56] [info] | Total Pins             | 701572      | 302062      |
[2025-08-29 10:22:56] [info] |-----|-----|-----|
[2025-08-29 10:22:56] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] Total Schematic Instances: 56662
[2025-08-29 10:22:56] [info] Matched Instances:      52356
[2025-08-29 10:22:56] [info] Match Percentage: 92.40%

[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]           Short and Open Checks
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] Short Circuits:        None Detected
[2025-08-29 10:22:56] [info] Open Circuits:         Open Detected

[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]           Performance Metrics
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] | Stage                  | Time Taken |
[2025-08-29 10:22:56] [info] |-----|-----|
[2025-08-29 10:22:56] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:22:56] [info] | Connectivity Extraction  | 0 minutes 16 seconds |
[2025-08-29 10:22:56] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:22:56] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]           Additional Details
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:22:56] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:22:56] [info] Database Format:         GDSII
[2025-08-29 10:22:56] [info] Verification Mode:      Full Check
[2025-08-29 10:22:56] [info] Error Reporting:        Enabled

[2025-08-29 10:22:56] [info] -----

```

```

[2025-08-29 10:22:56] [info]                                Type of Errors | Count
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] DB_WARN -> 1
[2025-08-29 10:22:56] [info] DB_WARN003 -> 39
[2025-08-29 10:22:56] [info] VERI_WARN012 -> 4068
[2025-08-29 10:22:56] [info] LVS_ERR018 -> 1
[2025-08-29 10:22:56] [info] LVS_ERR019 -> 4055
[2025-08-29 10:22:56] [info] LVS_ERR003 -> 4054
[2025-08-29 10:22:56] [info] ERC_ERR003 -> 4054
[2025-08-29 10:22:56] [info] LVS_ERR025 -> 1
[2025-08-29 10:22:56] [info] ERC_ERR008 -> 1
[2025-08-29 10:22:56] [info] LVS_ERR005 -> 4306
[2025-08-29 10:22:56] [info] LVS_ERR030 -> 1
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info]                                Summary
[2025-08-29 10:22:56] [info] -----
[2025-08-29 10:22:56] [info] LVS Status:                PASSED
[2025-08-29 10:22:56] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:22:56] [info] Short Circuits:           None Detected
[2025-08-29 10:22:56] [info] Open Circuits:            Open Detected
[2025-08-29 10:22:56] [info] Unconnected Pins:         4155
[2025-08-29 10:22:56] [info] Total Errors:              16473
[2025-08-29 10:22:56] [info] Total Warnings:           4108
[2025-08-29 10:22:56] [info] Critical Issues:          None

```

```

[2025-08-29 10:23:29] [info] =====
[2025-08-29 10:23:29] [info]             Layout Versus Schematic Report
[2025-08-29 10:23:29] [info] =====

[2025-08-29 10:23:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:23:29] [info] Run Start Time:      10:23:08 AM
[2025-08-29 10:23:29] [info] Run End Time:        10:23:28 AM
[2025-08-29 10:23:29] [info] Time Taken:          0 minutes 30 seconds

[2025-08-29 10:23:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:23:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:23:29] [info] User Name:           kuro
[2025-08-29 10:23:29] [info] Cores Used:          16
[2025-08-29 10:23:29] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]             Top Cell Match
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:23:29] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]             Netlist Statistics
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:23:29] [info] |-----|-----|-----|
[2025-08-29 10:23:29] [info] | Total Nets            | 69382       | 73447       |
[2025-08-29 10:23:29] [info] | Total Instances       | 607454      | 56666       |
[2025-08-29 10:23:29] [info] | Total Pins            | 633023      | 302074      |
[2025-08-29 10:23:29] [info] |-----|-----|-----|
[2025-08-29 10:23:29] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] Total Schematic Instances: 56665
[2025-08-29 10:23:29] [info] Matched Instances:       52360
[2025-08-29 10:23:29] [info] Match Percentage: 92.40%

[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]             Short and Open Checks
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] Short Circuits:       None Detected
[2025-08-29 10:23:29] [info] Open Circuits:        Open Detected

[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]             Performance Metrics
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] | Stage                | Time Taken |
[2025-08-29 10:23:29] [info] |-----|-----|
[2025-08-29 10:23:29] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:23:29] [info] | Connectivity Extraction | 0 minutes 15 seconds |
[2025-08-29 10:23:29] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:23:29] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]             Additional Details
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:23:29] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:23:29] [info] Database Format:        GDSII
[2025-08-29 10:23:29] [info] Verification Mode:     Full Check
[2025-08-29 10:23:29] [info] Error Reporting:       Enabled

[2025-08-29 10:23:29] [info] -----

```

```

[2025-08-29 10:23:29] [info]                                     Type of Errors | Count
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] DB_WARN -> 1
[2025-08-29 10:23:29] [info] DB_WARN003 -> 34
[2025-08-29 10:23:29] [info] VERI_WARN012 -> 4068
[2025-08-29 10:23:29] [info] LVS_ERR018 -> 1
[2025-08-29 10:23:29] [info] LVS_ERR019 -> 4068
[2025-08-29 10:23:29] [info] LVS_ERR003 -> 4067
[2025-08-29 10:23:29] [info] ERC_ERR003 -> 4067
[2025-08-29 10:23:29] [info] LVS_ERR025 -> 1
[2025-08-29 10:23:29] [info] ERC_ERR008 -> 1
[2025-08-29 10:23:29] [info] LVS_ERR020 -> 1
[2025-08-29 10:23:29] [info] LVS_ERR005 -> 4305
[2025-08-29 10:23:29] [info] LVS_ERR030 -> 1
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info]                                     Summary
[2025-08-29 10:23:29] [info] -----
[2025-08-29 10:23:29] [info] LVS Status:                PASSED
[2025-08-29 10:23:29] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:23:29] [info] Short Circuits:           None Detected
[2025-08-29 10:23:29] [info] Open Circuits:            Open Detected
[2025-08-29 10:23:29] [info] Unconnected Pins:         4168
[2025-08-29 10:23:29] [info] Total Errors:              16512
[2025-08-29 10:23:29] [info] Total Warnings:            4103
[2025-08-29 10:23:29] [info] Critical Issues:           None

```

```

[2025-08-29 10:10:43] [info] =====
[2025-08-29 10:10:43] [info]             Layout Versus Schematic Report
[2025-08-29 10:10:43] [info] =====

[2025-08-29 10:10:43] [info] Report Generated:    2025-08-29
[2025-08-29 10:10:43] [info] Run Start Time:      10:10:22 AM
[2025-08-29 10:10:43] [info] Run End Time:        10:10:43 AM
[2025-08-29 10:10:43] [info] Time Taken:          0 minutes 23 seconds

[2025-08-29 10:10:43] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:10:43] [info] Host Name:           kuro-Workstation
[2025-08-29 10:10:43] [info] User Name:           kuro
[2025-08-29 10:10:43] [info] Cores Used:          1
[2025-08-29 10:10:43] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]             Top Cell Match
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:10:43] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]             Netlist Statistics
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:10:43] [info] |-----|-----|-----|
[2025-08-29 10:10:43] [info] | Total Nets             | 22584       | 23090       |
[2025-08-29 10:10:43] [info] | Total Instances        | 271307      | 22275       |
[2025-08-29 10:10:43] [info] | Total Pins             | 239003      | 117070      |
[2025-08-29 10:10:43] [info] |-----|-----|-----|
[2025-08-29 10:10:43] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] Total Schematic Instances: 22274
[2025-08-29 10:10:43] [info] Matched Instances:       21587
[2025-08-29 10:10:43] [info] Match Percentage: 96.92%

[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]             Short and Open Checks
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] Short Circuits:       None Detected
[2025-08-29 10:10:43] [info] Open Circuits:        None Detected

[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]             Performance Metrics
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] | Stage                  | Time Taken |
[2025-08-29 10:10:43] [info] |-----|-----|
[2025-08-29 10:10:43] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:10:43] [info] | Connectivity Extraction  | 0 minutes 18 seconds |
[2025-08-29 10:10:43] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:10:43] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]             Additional Details
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:10:43] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:10:43] [info] Database Format:        GDSII
[2025-08-29 10:10:43] [info] Verification Mode:     Full Check
[2025-08-29 10:10:43] [info] Error Reporting:       Enabled

[2025-08-29 10:10:43] [info] -----

```

```

[2025-08-29 10:10:43] [info]                                Type of Errors | Count
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] DB_WARN -> 1
[2025-08-29 10:10:43] [info] DB_WARN003 -> 221
[2025-08-29 10:10:43] [info] VERI_WARN012 -> 508
[2025-08-29 10:10:43] [info] LVS_ERR019 -> 651
[2025-08-29 10:10:43] [info] LVS_ERR003 -> 649
[2025-08-29 10:10:43] [info] ERC_ERR003 -> 649
[2025-08-29 10:10:43] [info] LVS_ERR025 -> 2
[2025-08-29 10:10:43] [info] ERC_ERR008 -> 2
[2025-08-29 10:10:43] [info] LVS_ERR020 -> 1
[2025-08-29 10:10:43] [info] LVS_ERR005 -> 687
[2025-08-29 10:10:43] [info] LVS_ERR030 -> 1
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info]                                Summary
[2025-08-29 10:10:43] [info] -----
[2025-08-29 10:10:43] [info] LVS Status:                PASSED
[2025-08-29 10:10:43] [info] Instance Match Percentage: 96.92%
[2025-08-29 10:10:43] [info] Short Circuits:           None Detected
[2025-08-29 10:10:43] [info] Open Circuits:           None Detected
[2025-08-29 10:10:43] [info] Unconnected Pins:         751
[2025-08-29 10:10:43] [info] Total Errors:             2642
[2025-08-29 10:10:43] [info] Total Warnings:           730
[2025-08-29 10:10:43] [info] Critical Issues:          None

```

```

[2025-09-02 05:56:24] [info] =====
[2025-09-02 05:56:24] [info]           Layout Versus Schematic Report
[2025-09-02 05:56:24] [info] =====

[2025-09-02 05:56:24] [info] Report Generated:    2025-09-02
[2025-09-02 05:56:24] [info] Run Start Time:      05:56:03 AM
[2025-09-02 05:56:24] [info] Run End Time:        05:56:24 AM
[2025-09-02 05:56:24] [info] Time Taken:          0 minutes 24 seconds

[2025-09-02 05:56:24] [info] Tool Version:        LVR_2025.1
[2025-09-02 05:56:24] [info] Host Name:           kuro-Workstation
[2025-09-02 05:56:24] [info] User Name:           kuro
[2025-09-02 05:56:24] [info] Cores Used:          1
[2025-09-02 05:56:24] [info] Memory Utilized:     1469.68 MB / 62.569698333740234 GB

[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]           Top Cell Match
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] Layout Top Cell:     aes_cipher_top
[2025-09-02 05:56:24] [info] Schematic Top Cell:  aes_cipher_top
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]           Netlist Statistics
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] | Metric                | Layout      | Schematic   |
[2025-09-02 05:56:24] [info] |-----|-----|-----|
[2025-09-02 05:56:24] [info] | Total Nets             | 22535       | 23041       |
[2025-09-02 05:56:24] [info] | Total Instances        | 282214      | 22253       |
[2025-09-02 05:56:24] [info] | Total Pins             | 251455      | 116968      |
[2025-09-02 05:56:24] [info] |-----|-----|-----|
[2025-09-02 05:56:24] [info]           Pin to Net Mapping Percentage
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] Total Schematic Instances: 22253
[2025-09-02 05:56:24] [info] Matched Instances:        21554
[2025-09-02 05:56:24] [info] Match Percentage: 96.86%

[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]           Short and Open Checks
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] Short Circuits:        None Detected
[2025-09-02 05:56:24] [info] Open Circuits:         Open Detected

[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]           Performance Metrics
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] | Stage                  | Time Taken |
[2025-09-02 05:56:24] [info] |-----|-----|
[2025-09-02 05:56:24] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-02 05:56:24] [info] | Connectivity Extraction  | 0 minutes 19 seconds |
[2025-09-02 05:56:24] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-02 05:56:24] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]           Additional Details
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] Technology Node:        Nangate45 (45nm)
[2025-09-02 05:56:24] [info] Hierarchical Cells:     Flattened
[2025-09-02 05:56:24] [info] Database Format:         GDSII
[2025-09-02 05:56:24] [info] Verification Mode:      Full Check
[2025-09-02 05:56:24] [info] Error Reporting:        Enabled

[2025-09-02 05:56:24] [info] -----

```

```

[2025-09-02 05:56:24] [info]                                Type of Errors | Count
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] DB_WARN -> 1
[2025-09-02 05:56:24] [info] DB_WARN003 -> 219
[2025-09-02 05:56:24] [info] VERI_WARN012 -> 508
[2025-09-02 05:56:24] [info] LVS_ERR018 -> 1
[2025-09-02 05:56:24] [info] LVS_ERR019 -> 663
[2025-09-02 05:56:24] [info] LVS_ERR003 -> 661
[2025-09-02 05:56:24] [info] ERC_ERR003 -> 661
[2025-09-02 05:56:24] [info] LVS_ERR025 -> 2
[2025-09-02 05:56:24] [info] ERC_ERR008 -> 2
[2025-09-02 05:56:24] [info] LVS_ERR005 -> 699
[2025-09-02 05:56:24] [info] LVS_ERR030 -> 1
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info]                                Summary
[2025-09-02 05:56:24] [info] -----
[2025-09-02 05:56:24] [info] LVS Status:                PASSED
[2025-09-02 05:56:24] [info] Instance Match Percentage: 96.86%
[2025-09-02 05:56:24] [info] Short Circuits:           None Detected
[2025-09-02 05:56:24] [info] Open Circuits:            Open Detected
[2025-09-02 05:56:24] [info] Unconnected Pins:         763
[2025-09-02 05:56:24] [info] Total Errors:              2690
[2025-09-02 05:56:24] [info] Total Warnings:           728
[2025-09-02 05:56:24] [info] Critical Issues:          None

```

```

[2025-08-29 10:11:10] [info] =====
[2025-08-29 10:11:10] [info]             Layout Versus Schematic Report
[2025-08-29 10:11:10] [info] =====

[2025-08-29 10:11:10] [info] Report Generated:    2025-08-29
[2025-08-29 10:11:10] [info] Run Start Time:      10:10:50 AM
[2025-08-29 10:11:10] [info] Run End Time:        10:11:10 AM
[2025-08-29 10:11:10] [info] Time Taken:          0 minutes 22 seconds

[2025-08-29 10:11:10] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:11:10] [info] Host Name:           kuro-Workstation
[2025-08-29 10:11:10] [info] User Name:           kuro
[2025-08-29 10:11:10] [info] Cores Used:          1
[2025-08-29 10:11:10] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]             Top Cell Match
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:11:10] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]             Netlist Statistics
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:11:10] [info] |-----|-----|-----|
[2025-08-29 10:11:10] [info] | Total Nets             | 22516       | 23022       |
[2025-08-29 10:11:10] [info] | Total Instances        | 269556      | 22222       |
[2025-08-29 10:11:10] [info] | Total Pins             | 233667      | 116862      |
[2025-08-29 10:11:10] [info] |-----|-----|-----|
[2025-08-29 10:11:10] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] Total Schematic Instances: 22222
[2025-08-29 10:11:10] [info] Matched Instances:      21505
[2025-08-29 10:11:10] [info] Match Percentage: 96.77%

[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]             Short and Open Checks
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] Short Circuits:       None Detected
[2025-08-29 10:11:10] [info] Open Circuits:        None Detected

[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]             Performance Metrics
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] | Stage                  | Time Taken |
[2025-08-29 10:11:10] [info] |-----|-----|
[2025-08-29 10:11:10] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:11:10] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-29 10:11:10] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:11:10] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]             Additional Details
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:11:10] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:11:10] [info] Database Format:       GDSII
[2025-08-29 10:11:10] [info] Verification Mode:    Full Check
[2025-08-29 10:11:10] [info] Error Reporting:      Enabled

[2025-08-29 10:11:10] [info] -----

```

```
[2025-08-29 10:11:10] [info]                                Type of Errors | Count
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] DB_WARN -> 1
[2025-08-29 10:11:10] [info] DB_WARN003 -> 221
[2025-08-29 10:11:10] [info] VERI_WARN012 -> 508
[2025-08-29 10:11:10] [info] LVS_ERR019 -> 686
[2025-08-29 10:11:10] [info] LVS_ERR003 -> 685
[2025-08-29 10:11:10] [info] ERC_ERR003 -> 685
[2025-08-29 10:11:10] [info] LVS_ERR025 -> 1
[2025-08-29 10:11:10] [info] ERC_ERR008 -> 1
[2025-08-29 10:11:10] [info] LVS_ERR005 -> 717
[2025-08-29 10:11:10] [info] LVS_ERR030 -> 1
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info]                                Summary
[2025-08-29 10:11:10] [info] -----
[2025-08-29 10:11:10] [info] LVS Status:                PASSED
[2025-08-29 10:11:10] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:11:10] [info] Short Circuits:           None Detected
[2025-08-29 10:11:10] [info] Open Circuits:            None Detected
[2025-08-29 10:11:10] [info] Unconnected Pins:         786
[2025-08-29 10:11:10] [info] Total Errors:              2776
[2025-08-29 10:11:10] [info] Total Warnings:           730
[2025-08-29 10:11:10] [info] Critical Issues:          None
```

```

[2025-08-29 10:10:19] [info] =====
[2025-08-29 10:10:19] [info]             Layout Versus Schematic Report
[2025-08-29 10:10:19] [info] =====

[2025-08-29 10:10:19] [info] Report Generated:    2025-08-29
[2025-08-29 10:10:19] [info] Run Start Time:      10:10:19 AM
[2025-08-29 10:10:19] [info] Run End Time:        10:10:19 AM
[2025-08-29 10:10:19] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:10:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:10:19] [info] Host Name:           kuro-Workstation
[2025-08-29 10:10:19] [info] User Name:           kuro
[2025-08-29 10:10:19] [info] Cores Used:          1
[2025-08-29 10:10:19] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Top Cell Match
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Layout Top Cell:     gcd
[2025-08-29 10:10:19] [info] Schematic Top Cell:  gcd
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Netlist Statistics
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:10:19] [info] |-----|-----|-----|
[2025-08-29 10:10:19] [info] | Total Nets             | 485         | 519         |
[2025-08-29 10:10:19] [info] | Total Instances        | 4642        | 428         |
[2025-08-29 10:10:19] [info] | Total Pins             | 4999        | 2165        |
[2025-08-29 10:10:19] [info] |-----|-----|-----|
[2025-08-29 10:10:19] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Total Schematic Instances:    428
[2025-08-29 10:10:19] [info] Matched Instances:           392
[2025-08-29 10:10:19] [info] Match Percentage: 91.59%

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Short and Open Checks
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Short Circuits:      None Detected
[2025-08-29 10:10:19] [info] Open Circuits:       Open Detected

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Performance Metrics
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] | Stage                | Time Taken |
[2025-08-29 10:10:19] [info] |-----|-----|
[2025-08-29 10:10:19] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Additional Details
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:10:19] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:10:19] [info] Database Format:       GDSII
[2025-08-29 10:10:19] [info] Verification Mode:    Full Check
[2025-08-29 10:10:19] [info] Error Reporting:      Enabled

[2025-08-29 10:10:19] [info] -----

```

```

[2025-08-29 10:10:19] [info]                                Type of Errors | Count
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] DB_WARN -> 1
[2025-08-29 10:10:19] [info] DB_WARN003 -> 24
[2025-08-29 10:10:19] [info] VERI_WARN012 -> 41
[2025-08-29 10:10:19] [info] LVS_ERR018 -> 1
[2025-08-29 10:10:19] [info] LVS_ERR019 -> 33
[2025-08-29 10:10:19] [info] LVS_ERR003 -> 31
[2025-08-29 10:10:19] [info] ERC_ERR003 -> 31
[2025-08-29 10:10:19] [info] LVS_ERR025 -> 2
[2025-08-29 10:10:19] [info] ERC_ERR008 -> 2
[2025-08-29 10:10:19] [info] LVS_ERR005 -> 36
[2025-08-29 10:10:19] [info] LVS_ERR030 -> 1
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]                                Summary
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] LVS Status:                PASSED
[2025-08-29 10:10:19] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:10:19] [info] Short Circuits:            None Detected
[2025-08-29 10:10:19] [info] Open Circuits:             Open Detected
[2025-08-29 10:10:19] [info] Unconnected Pins:          133
[2025-08-29 10:10:19] [info] Total Errors:               137
[2025-08-29 10:10:19] [info] Total Warnings:             66
[2025-08-29 10:10:19] [info] Critical Issues:           None

```

```

[2025-08-29 10:10:19] [info] =====
[2025-08-29 10:10:19] [info]             Layout Versus Schematic Report
[2025-08-29 10:10:19] [info] =====

[2025-08-29 10:10:19] [info] Report Generated:    2025-08-29
[2025-08-29 10:10:19] [info] Run Start Time:      10:10:19 AM
[2025-08-29 10:10:19] [info] Run End Time:        10:10:19 AM
[2025-08-29 10:10:19] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:10:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:10:19] [info] Host Name:           kuro-Workstation
[2025-08-29 10:10:19] [info] User Name:           kuro
[2025-08-29 10:10:19] [info] Cores Used:          1
[2025-08-29 10:10:19] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Top Cell Match
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Layout Top Cell:     gcd
[2025-08-29 10:10:19] [info] Schematic Top Cell:  gcd
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Netlist Statistics
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:10:19] [info] |-----|-----|-----|
[2025-08-29 10:10:19] [info] | Total Nets             | 482         | 516         |
[2025-08-29 10:10:19] [info] | Total Instances        | 4922        | 427         |
[2025-08-29 10:10:19] [info] | Total Pins             | 5189        | 2161        |
[2025-08-29 10:10:19] [info] |-----|-----|-----|
[2025-08-29 10:10:19] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Total Schematic Instances:    426
[2025-08-29 10:10:19] [info] Matched Instances:           391
[2025-08-29 10:10:19] [info] Match Percentage: 91.78%

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Short and Open Checks
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Short Circuits:      None Detected
[2025-08-29 10:10:19] [info] Open Circuits:       None Detected

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Performance Metrics
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] | Stage                | Time Taken |
[2025-08-29 10:10:19] [info] |-----|-----|
[2025-08-29 10:10:19] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:10:19] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]             Additional Details
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:10:19] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:10:19] [info] Database Format:       GDSII
[2025-08-29 10:10:19] [info] Verification Mode:    Full Check
[2025-08-29 10:10:19] [info] Error Reporting:      Enabled

[2025-08-29 10:10:19] [info] -----

```

```

[2025-08-29 10:10:19] [info]                                Type of Errors | Count
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] DB_WARN -> 1
[2025-08-29 10:10:19] [info] DB_WARN003 -> 34
[2025-08-29 10:10:19] [info] VERI_WARN012 -> 40
[2025-08-29 10:10:19] [info] LVS_ERR019 -> 34
[2025-08-29 10:10:19] [info] LVS_ERR003 -> 32
[2025-08-29 10:10:19] [info] ERC_ERR003 -> 32
[2025-08-29 10:10:19] [info] LVS_ERR025 -> 2
[2025-08-29 10:10:19] [info] ERC_ERR008 -> 2
[2025-08-29 10:10:19] [info] LVS_ERR020 -> 1
[2025-08-29 10:10:19] [info] LVS_ERR005 -> 35
[2025-08-29 10:10:19] [info] LVS_ERR030 -> 1
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info]                                Summary
[2025-08-29 10:10:19] [info] -----
[2025-08-29 10:10:19] [info] LVS Status:                PASSED
[2025-08-29 10:10:19] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:10:19] [info] Short Circuits:           None Detected
[2025-08-29 10:10:19] [info] Open Circuits:            None Detected
[2025-08-29 10:10:19] [info] Unconnected Pins:         134
[2025-08-29 10:10:19] [info] Total Errors:              139
[2025-08-29 10:10:19] [info] Total Warnings:           75
[2025-08-29 10:10:19] [info] Critical Issues:          None

```

```

[2025-08-29 10:10:20] [info] =====
[2025-08-29 10:10:20] [info]             Layout Versus Schematic Report
[2025-08-29 10:10:20] [info] =====

[2025-08-29 10:10:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:10:20] [info] Run Start Time:      10:10:19 AM
[2025-08-29 10:10:20] [info] Run End Time:        10:10:20 AM
[2025-08-29 10:10:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:10:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:10:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:10:20] [info] User Name:           kuro
[2025-08-29 10:10:20] [info] Cores Used:          1
[2025-08-29 10:10:20] [info] Memory Utilized:     30.44 MB / 62.569698333740234 GB

[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]             Top Cell Match
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] Layout Top Cell:     gcd
[2025-08-29 10:10:20] [info] Schematic Top Cell:  gcd
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]             Netlist Statistics
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:10:20] [info] |-----|-----|-----|
[2025-08-29 10:10:20] [info] | Total Nets             | 489         | 523         |
[2025-08-29 10:10:20] [info] | Total Instances        | 4681        | 427         |
[2025-08-29 10:10:20] [info] | Total Pins             | 4941        | 2165        |
[2025-08-29 10:10:20] [info] |-----|-----|-----|
[2025-08-29 10:10:20] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] Total Schematic Instances:    427
[2025-08-29 10:10:20] [info] Matched Instances:           389
[2025-08-29 10:10:20] [info] Match Percentage: 91.10%

[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]             Short and Open Checks
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] Short Circuits:      None Detected
[2025-08-29 10:10:20] [info] Open Circuits:       None Detected

[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]             Performance Metrics
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] | Stage                | Time Taken |
[2025-08-29 10:10:20] [info] |-----|-----|
[2025-08-29 10:10:20] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:10:20] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:10:20] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:10:20] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]             Additional Details
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:10:20] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:10:20] [info] Database Format:       GDSII
[2025-08-29 10:10:20] [info] Verification Mode:    Full Check
[2025-08-29 10:10:20] [info] Error Reporting:      Enabled

[2025-08-29 10:10:20] [info] -----

```

```

[2025-08-29 10:10:20] [info]                                Type of Errors | Count
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] DB_WARN -> 1
[2025-08-29 10:10:20] [info] DB_WARN003 -> 26
[2025-08-29 10:10:20] [info] VERI_WARN012 -> 39
[2025-08-29 10:10:20] [info] LVS_ERR019 -> 38
[2025-08-29 10:10:20] [info] LVS_ERR003 -> 36
[2025-08-29 10:10:20] [info] ERC_ERR003 -> 36
[2025-08-29 10:10:20] [info] LVS_ERR025 -> 2
[2025-08-29 10:10:20] [info] ERC_ERR008 -> 2
[2025-08-29 10:10:20] [info] LVS_ERR005 -> 38
[2025-08-29 10:10:20] [info] LVS_ERR030 -> 1
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info]                                Summary
[2025-08-29 10:10:20] [info] -----
[2025-08-29 10:10:20] [info] LVS Status:                PASSED
[2025-08-29 10:10:20] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:10:20] [info] Short Circuits:           None Detected
[2025-08-29 10:10:20] [info] Open Circuits:            None Detected
[2025-08-29 10:10:20] [info] Unconnected Pins:         138
[2025-08-29 10:10:20] [info] Total Errors:              153
[2025-08-29 10:10:20] [info] Total Warnings:           66
[2025-08-29 10:10:20] [info] Critical Issues:          None

```

```

[2025-08-29 10:11:33] [info] =====
[2025-08-29 10:11:33] [info]           Layout Versus Schematic Report
[2025-08-29 10:11:33] [info] =====

[2025-08-29 10:11:33] [info] Report Generated:    2025-08-29
[2025-08-29 10:11:33] [info] Run Start Time:      10:11:14 AM
[2025-08-29 10:11:33] [info] Run End Time:        10:11:32 AM
[2025-08-29 10:11:33] [info] Time Taken:          0 minutes 21 seconds

[2025-08-29 10:11:33] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:11:33] [info] Host Name:           kuro-Workstation
[2025-08-29 10:11:33] [info] User Name:           kuro
[2025-08-29 10:11:33] [info] Cores Used:          1
[2025-08-29 10:11:33] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]           Top Cell Match
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:11:33] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]           Netlist Statistics
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:11:33] [info] |-----|-----|-----|
[2025-08-29 10:11:33] [info] | Total Nets             | 20853       | 21678       |
[2025-08-29 10:11:33] [info] | Total Instances        | 235969      | 18896       |
[2025-08-29 10:11:33] [info] | Total Pins             | 219487      | 104536      |
[2025-08-29 10:11:33] [info] |-----|-----|-----|
[2025-08-29 10:11:33] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] Total Schematic Instances: 18895
[2025-08-29 10:11:33] [info] Matched Instances:        17934
[2025-08-29 10:11:33] [info] Match Percentage: 94.91%

[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]           Short and Open Checks
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] Short Circuits:        None Detected
[2025-08-29 10:11:33] [info] Open Circuits:         None Detected

[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]           Performance Metrics
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] | Stage                | Time Taken |
[2025-08-29 10:11:33] [info] |-----|-----|
[2025-08-29 10:11:33] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:11:33] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-29 10:11:33] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:11:33] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]           Additional Details
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:11:33] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:11:33] [info] Database Format:         GDSII
[2025-08-29 10:11:33] [info] Verification Mode:      Full Check
[2025-08-29 10:11:33] [info] Error Reporting:        Enabled

[2025-08-29 10:11:33] [info] -----

```

```

[2025-08-29 10:11:33] [info]                Type of Errors | Count
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] DB_WARN -> 1
[2025-08-29 10:11:33] [info] DB_WARN003 -> 85
[2025-08-29 10:11:33] [info] VERI_WARN012 -> 828
[2025-08-29 10:11:33] [info] LVS_ERR019 -> 903
[2025-08-29 10:11:33] [info] LVS_ERR003 -> 894
[2025-08-29 10:11:33] [info] ERC_ERR003 -> 894
[2025-08-29 10:11:33] [info] LVS_ERR025 -> 1
[2025-08-29 10:11:33] [info] ERC_ERR008 -> 1
[2025-08-29 10:11:33] [info] LVS_ERR020 -> 1
[2025-08-29 10:11:33] [info] LVS_ERR005 -> 961
[2025-08-29 10:11:33] [info] LVS_ERR030 -> 1
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info]                Summary
[2025-08-29 10:11:33] [info] -----
[2025-08-29 10:11:33] [info] LVS Status:                PASSED
[2025-08-29 10:11:33] [info] Instance Match Percentage: 94.91%
[2025-08-29 10:11:33] [info] Short Circuits:           None Detected
[2025-08-29 10:11:33] [info] Open Circuits:            None Detected
[2025-08-29 10:11:33] [info] Unconnected Pins:         1003
[2025-08-29 10:11:33] [info] Total Errors:              3656
[2025-08-29 10:11:33] [info] Total Warnings:            914
[2025-08-29 10:11:33] [info] Critical Issues:          None

```

```

[2025-09-02 05:56:48] [info] =====
[2025-09-02 05:56:48] [info]           Layout Versus Schematic Report
[2025-09-02 05:56:48] [info] =====

[2025-09-02 05:56:48] [info] Report Generated:    2025-09-02
[2025-09-02 05:56:48] [info] Run Start Time:      05:56:28 AM
[2025-09-02 05:56:48] [info] Run End Time:        05:56:48 AM
[2025-09-02 05:56:48] [info] Time Taken:          0 minutes 22 seconds

[2025-09-02 05:56:48] [info] Tool Version:        LVR_2025.1
[2025-09-02 05:56:48] [info] Host Name:           kuro-Workstation
[2025-09-02 05:56:48] [info] User Name:           kuro
[2025-09-02 05:56:48] [info] Cores Used:          1
[2025-09-02 05:56:48] [info] Memory Utilized:     1601.60 MB / 62.569698333740234 GB

[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]           Top Cell Match
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] Layout Top Cell:     ibex_core
[2025-09-02 05:56:48] [info] Schematic Top Cell:  ibex_core
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]           Netlist Statistics
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] | Metric                | Layout      | Schematic   |
[2025-09-02 05:56:48] [info] |-----|-----|-----|
[2025-09-02 05:56:48] [info] | Total Nets             | 20853       | 21678       |
[2025-09-02 05:56:48] [info] | Total Instances        | 245499      | 18933       |
[2025-09-02 05:56:48] [info] | Total Pins             | 230379      | 104624      |
[2025-09-02 05:56:48] [info] |-----|-----|-----|
[2025-09-02 05:56:48] [info]           Pin to Net Mapping Percentage
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] Total Schematic Instances: 18933
[2025-09-02 05:56:48] [info] Matched Instances:        13384
[2025-09-02 05:56:48] [info] Match Percentage: 70.69%

[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]           Short and Open Checks
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] Short Circuits:        None Detected
[2025-09-02 05:56:48] [info] Open Circuits:         None Detected

[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]           Performance Metrics
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] | Stage                  | Time Taken |
[2025-09-02 05:56:48] [info] |-----|-----|
[2025-09-02 05:56:48] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-02 05:56:48] [info] | Connectivity Extraction  | 0 minutes 17 seconds |
[2025-09-02 05:56:48] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-02 05:56:48] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]           Additional Details
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] Technology Node:        Nangate45 (45nm)
[2025-09-02 05:56:48] [info] Hierarchical Cells:     Flattened
[2025-09-02 05:56:48] [info] Database Format:         GDSII
[2025-09-02 05:56:48] [info] Verification Mode:      Full Check
[2025-09-02 05:56:48] [info] Error Reporting:        Enabled

[2025-09-02 05:56:48] [info] -----

```

```

[2025-09-02 05:56:48] [info]                Type of Errors | Count
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] DB_WARN -> 1
[2025-09-02 05:56:48] [info] DB_WARN003 -> 85
[2025-09-02 05:56:48] [info] VERI_WARN012 -> 828
[2025-09-02 05:56:48] [info] LVS_ERR019 -> 893
[2025-09-02 05:56:48] [info] LVS_ERR003 -> 883
[2025-09-02 05:56:48] [info] ERC_ERR003 -> 883
[2025-09-02 05:56:48] [info] LVS_ERR025 -> 2
[2025-09-02 05:56:48] [info] ERC_ERR008 -> 2
[2025-09-02 05:56:48] [info] LVS_ERR005 -> 5549
[2025-09-02 05:56:48] [info] LVS_ERR030 -> 1
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info]                Summary
[2025-09-02 05:56:48] [info] -----
[2025-09-02 05:56:48] [info] LVS Status:                PASSED
[2025-09-02 05:56:48] [info] Instance Match Percentage: 70.69%
[2025-09-02 05:56:48] [info] Short Circuits:           None Detected
[2025-09-02 05:56:48] [info] Open Circuits:            None Detected
[2025-09-02 05:56:48] [info] Unconnected Pins:         993
[2025-09-02 05:56:48] [info] Total Errors:              8213
[2025-09-02 05:56:48] [info] Total Warnings:           914
[2025-09-02 05:56:48] [info] Critical Issues:          None

```

```

[2025-08-29 10:11:59] [info] =====
[2025-08-29 10:11:59] [info]           Layout Versus Schematic Report
[2025-08-29 10:11:59] [info] =====

[2025-08-29 10:11:59] [info] Report Generated:    2025-08-29
[2025-08-29 10:11:59] [info] Run Start Time:      10:11:40 AM
[2025-08-29 10:11:59] [info] Run End Time:        10:11:59 AM
[2025-08-29 10:11:59] [info] Time Taken:          0 minutes 21 seconds

[2025-08-29 10:11:59] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:11:59] [info] Host Name:           kuro-Workstation
[2025-08-29 10:11:59] [info] User Name:           kuro
[2025-08-29 10:11:59] [info] Cores Used:          1
[2025-08-29 10:11:59] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]           Top Cell Match
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:11:59] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]           Netlist Statistics
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:11:59] [info] |-----|-----|-----|
[2025-08-29 10:11:59] [info] | Total Nets             | 20848       | 21673       |
[2025-08-29 10:11:59] [info] | Total Instances        | 231162      | 18863       |
[2025-08-29 10:11:59] [info] | Total Pins             | 210404      | 104404      |
[2025-08-29 10:11:59] [info] |-----|-----|-----|
[2025-08-29 10:11:59] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] Total Schematic Instances: 18863
[2025-08-29 10:11:59] [info] Matched Instances:        17920
[2025-08-29 10:11:59] [info] Match Percentage: 95.00%

[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]           Short and Open Checks
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] Short Circuits:        None Detected
[2025-08-29 10:11:59] [info] Open Circuits:         None Detected

[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]           Performance Metrics
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] | Stage                  | Time Taken |
[2025-08-29 10:11:59] [info] |-----|-----|
[2025-08-29 10:11:59] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:11:59] [info] | Connectivity Extraction | 0 minutes 16 seconds |
[2025-08-29 10:11:59] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:11:59] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]           Additional Details
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:11:59] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:11:59] [info] Database Format:        GDSII
[2025-08-29 10:11:59] [info] Verification Mode:     Full Check
[2025-08-29 10:11:59] [info] Error Reporting:       Enabled

[2025-08-29 10:11:59] [info] -----

```

```
[2025-08-29 10:11:59] [info]                                Type of Errors | Count
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] DB_WARN -> 1
[2025-08-29 10:11:59] [info] DB_WARN003 -> 98
[2025-08-29 10:11:59] [info] VERI_WARN012 -> 828
[2025-08-29 10:11:59] [info] LVS_ERR019 -> 880
[2025-08-29 10:11:59] [info] LVS_ERR003 -> 871
[2025-08-29 10:11:59] [info] ERC_ERR003 -> 871
[2025-08-29 10:11:59] [info] LVS_ERR025 -> 1
[2025-08-29 10:11:59] [info] ERC_ERR008 -> 1
[2025-08-29 10:11:59] [info] LVS_ERR005 -> 943
[2025-08-29 10:11:59] [info] LVS_ERR030 -> 1
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info]                                Summary
[2025-08-29 10:11:59] [info] -----
[2025-08-29 10:11:59] [info] LVS Status:                PASSED
[2025-08-29 10:11:59] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:11:59] [info] Short Circuits:           None Detected
[2025-08-29 10:11:59] [info] Open Circuits:            None Detected
[2025-08-29 10:11:59] [info] Unconnected Pins:         980
[2025-08-29 10:11:59] [info] Total Errors:              3568
[2025-08-29 10:11:59] [info] Total Warnings:           927
[2025-08-29 10:11:59] [info] Critical Issues:          None
```

```

[2025-08-29 10:13:03] [info] =====
[2025-08-29 10:13:03] [info]             Layout Versus Schematic Report
[2025-08-29 10:13:03] [info] =====

[2025-08-29 10:13:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:13:03] [info] Run Start Time:      10:12:09 AM
[2025-08-29 10:13:03] [info] Run End Time:        10:13:02 AM
[2025-08-29 10:13:03] [info] Time Taken:          1 minutes 3 seconds

[2025-08-29 10:13:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:13:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:13:03] [info] User Name:           kuro
[2025-08-29 10:13:03] [info] Cores Used:          1
[2025-08-29 10:13:03] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]             Top Cell Match
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:13:03] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]             Netlist Statistics
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:13:03] [info] |-----|-----|-----|
[2025-08-29 10:13:03] [info] | Total Nets            | 69401       | 73466       |
[2025-08-29 10:13:03] [info] | Total Instances       | 625384      | 56662       |
[2025-08-29 10:13:03] [info] | Total Pins            | 660922      | 302058      |
[2025-08-29 10:13:03] [info] |-----|-----|-----|
[2025-08-29 10:13:03] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] Total Schematic Instances:    56662
[2025-08-29 10:13:03] [info] Matched Instances:           52362
[2025-08-29 10:13:03] [info] Match Percentage: 92.41%

[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]             Short and Open Checks
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] Short Circuits:      None Detected
[2025-08-29 10:13:03] [info] Open Circuits:       None Detected

[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]             Performance Metrics
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] | Stage                | Time Taken |
[2025-08-29 10:13:03] [info] |-----|-----|
[2025-08-29 10:13:03] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:13:03] [info] | Connectivity Extraction | 0 minutes 47 seconds |
[2025-08-29 10:13:03] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:13:03] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]             Additional Details
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:13:03] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:13:03] [info] Database Format:       GDSII
[2025-08-29 10:13:03] [info] Verification Mode:    Full Check
[2025-08-29 10:13:03] [info] Error Reporting:      Enabled

[2025-08-29 10:13:03] [info] -----

```

```
[2025-08-29 10:13:03] [info]                                Type of Errors | Count
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] DB_WARN -> 1
[2025-08-29 10:13:03] [info] DB_WARN003 -> 37
[2025-08-29 10:13:03] [info] VERI_WARN012 -> 4068
[2025-08-29 10:13:03] [info] LVS_ERR019 -> 4068
[2025-08-29 10:13:03] [info] LVS_ERR003 -> 4066
[2025-08-29 10:13:03] [info] ERC_ERR003 -> 4066
[2025-08-29 10:13:03] [info] LVS_ERR025 -> 2
[2025-08-29 10:13:03] [info] ERC_ERR008 -> 2
[2025-08-29 10:13:03] [info] LVS_ERR005 -> 4300
[2025-08-29 10:13:03] [info] LVS_ERR030 -> 1
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info]                                Summary
[2025-08-29 10:13:03] [info] -----
[2025-08-29 10:13:03] [info] LVS Status:                PASSED
[2025-08-29 10:13:03] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:13:03] [info] Short Circuits:           None Detected
[2025-08-29 10:13:03] [info] Open Circuits:            None Detected
[2025-08-29 10:13:03] [info] Unconnected Pins:         4168
[2025-08-29 10:13:03] [info] Total Errors:              16505
[2025-08-29 10:13:03] [info] Total Warnings:           4106
[2025-08-29 10:13:03] [info] Critical Issues:          None
```

```

[2025-08-29 10:14:09] [info] =====
[2025-08-29 10:14:09] [info]             Layout Versus Schematic Report
[2025-08-29 10:14:09] [info] =====

[2025-08-29 10:14:09] [info] Report Generated:    2025-08-29
[2025-08-29 10:14:09] [info] Run Start Time:      10:13:14 AM
[2025-08-29 10:14:09] [info] Run End Time:        10:14:09 AM
[2025-08-29 10:14:09] [info] Time Taken:          1 minutes 5 seconds

[2025-08-29 10:14:09] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:14:09] [info] Host Name:           kuro-Workstation
[2025-08-29 10:14:09] [info] User Name:           kuro
[2025-08-29 10:14:09] [info] Cores Used:          1
[2025-08-29 10:14:09] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]             Top Cell Match
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:14:09] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]             Netlist Statistics
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:14:09] [info] |-----|-----|-----|
[2025-08-29 10:14:09] [info] | Total Nets             | 69389       | 73454       |
[2025-08-29 10:14:09] [info] | Total Instances        | 657399      | 56662       |
[2025-08-29 10:14:09] [info] | Total Pins             | 701572      | 302062      |
[2025-08-29 10:14:09] [info] |-----|-----|-----|
[2025-08-29 10:14:09] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] Total Schematic Instances:    56662
[2025-08-29 10:14:09] [info] Matched Instances:           52356
[2025-08-29 10:14:09] [info] Match Percentage: 92.40%

[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]             Short and Open Checks
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] Short Circuits:      None Detected
[2025-08-29 10:14:09] [info] Open Circuits:       Open Detected

[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]             Performance Metrics
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] | Stage                | Time Taken |
[2025-08-29 10:14:09] [info] |-----|-----|
[2025-08-29 10:14:09] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:14:09] [info] | Connectivity Extraction | 0 minutes 48 seconds |
[2025-08-29 10:14:09] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:14:09] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]             Additional Details
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:14:09] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:14:09] [info] Database Format:       GDSII
[2025-08-29 10:14:09] [info] Verification Mode:    Full Check
[2025-08-29 10:14:09] [info] Error Reporting:      Enabled

[2025-08-29 10:14:09] [info] -----

```

```

[2025-08-29 10:14:09] [info]                                Type of Errors | Count
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] DB_WARN -> 1
[2025-08-29 10:14:09] [info] DB_WARN003 -> 39
[2025-08-29 10:14:09] [info] VERI_WARN012 -> 4068
[2025-08-29 10:14:09] [info] LVS_ERR018 -> 1
[2025-08-29 10:14:09] [info] LVS_ERR019 -> 4055
[2025-08-29 10:14:09] [info] LVS_ERR003 -> 4054
[2025-08-29 10:14:09] [info] ERC_ERR003 -> 4054
[2025-08-29 10:14:09] [info] LVS_ERR025 -> 1
[2025-08-29 10:14:09] [info] ERC_ERR008 -> 1
[2025-08-29 10:14:09] [info] LVS_ERR005 -> 4306
[2025-08-29 10:14:09] [info] LVS_ERR030 -> 1
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info]                                Summary
[2025-08-29 10:14:09] [info] -----
[2025-08-29 10:14:09] [info] LVS Status:                PASSED
[2025-08-29 10:14:09] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:14:09] [info] Short Circuits:            None Detected
[2025-08-29 10:14:09] [info] Open Circuits:             Open Detected
[2025-08-29 10:14:09] [info] Unconnected Pins:          4155
[2025-08-29 10:14:09] [info] Total Errors:               16473
[2025-08-29 10:14:09] [info] Total Warnings:             4108
[2025-08-29 10:14:09] [info] Critical Issues:           None

```

```

[2025-08-29 10:15:15] [info] =====
[2025-08-29 10:15:15] [info]           Layout Versus Schematic Report
[2025-08-29 10:15:15] [info] =====

[2025-08-29 10:15:15] [info] Report Generated:    2025-08-29
[2025-08-29 10:15:15] [info] Run Start Time:      10:14:21 AM
[2025-08-29 10:15:15] [info] Run End Time:        10:15:15 AM
[2025-08-29 10:15:15] [info] Time Taken:          1 minutes 3 seconds

[2025-08-29 10:15:15] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:15:15] [info] Host Name:           kuro-Workstation
[2025-08-29 10:15:15] [info] User Name:           kuro
[2025-08-29 10:15:15] [info] Cores Used:          1
[2025-08-29 10:15:15] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]           Top Cell Match
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:15:15] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]           Netlist Statistics
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:15:15] [info] |-----|-----|-----|
[2025-08-29 10:15:15] [info] | Total Nets             | 69382       | 73447       |
[2025-08-29 10:15:15] [info] | Total Instances        | 607454      | 56666       |
[2025-08-29 10:15:15] [info] | Total Pins             | 633023      | 302074      |
[2025-08-29 10:15:15] [info] |-----|-----|-----|
[2025-08-29 10:15:15] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] Total Schematic Instances: 56665
[2025-08-29 10:15:15] [info] Matched Instances:        52360
[2025-08-29 10:15:15] [info] Match Percentage: 92.40%

[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]           Short and Open Checks
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] Short Circuits:        None Detected
[2025-08-29 10:15:15] [info] Open Circuits:         Open Detected

[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]           Performance Metrics
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] | Stage                | Time Taken |
[2025-08-29 10:15:15] [info] |-----|-----|
[2025-08-29 10:15:15] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:15:15] [info] | Connectivity Extraction | 0 minutes 48 seconds |
[2025-08-29 10:15:15] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:15:15] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]           Additional Details
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:15:15] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:15:15] [info] Database Format:        GDSII
[2025-08-29 10:15:15] [info] Verification Mode:     Full Check
[2025-08-29 10:15:15] [info] Error Reporting:       Enabled

[2025-08-29 10:15:15] [info] -----

```

```

[2025-08-29 10:15:15] [info]                                     Type of Errors | Count
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] DB_WARN -> 1
[2025-08-29 10:15:15] [info] DB_WARN003 -> 34
[2025-08-29 10:15:15] [info] VERI_WARN012 -> 4068
[2025-08-29 10:15:15] [info] LVS_ERR018 -> 1
[2025-08-29 10:15:15] [info] LVS_ERR019 -> 4068
[2025-08-29 10:15:15] [info] LVS_ERR003 -> 4067
[2025-08-29 10:15:15] [info] ERC_ERR003 -> 4067
[2025-08-29 10:15:15] [info] LVS_ERR025 -> 1
[2025-08-29 10:15:15] [info] ERC_ERR008 -> 1
[2025-08-29 10:15:15] [info] LVS_ERR020 -> 1
[2025-08-29 10:15:15] [info] LVS_ERR005 -> 4305
[2025-08-29 10:15:15] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info]                                     Summary
[2025-08-29 10:15:15] [info] -----
[2025-08-29 10:15:15] [info] LVS Status:                PASSED
[2025-08-29 10:15:15] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:15:15] [info] Short Circuits:           None Detected
[2025-08-29 10:15:15] [info] Open Circuits:            Open Detected
[2025-08-29 10:15:15] [info] Unconnected Pins:         4168
[2025-08-29 10:15:15] [info] Total Errors:              16512
[2025-08-29 10:15:15] [info] Total Warnings:            4103
[2025-08-29 10:15:15] [info] Critical Issues:           None

```

```

[2025-08-29 10:15:30] [info] =====
[2025-08-29 10:15:30] [info]             Layout Versus Schematic Report
[2025-08-29 10:15:30] [info] =====

[2025-08-29 10:15:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:15:30] [info] Run Start Time:      10:15:20 AM
[2025-08-29 10:15:30] [info] Run End Time:        10:15:30 AM
[2025-08-29 10:15:30] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:15:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:15:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:15:30] [info] User Name:           kuro
[2025-08-29 10:15:30] [info] Cores Used:          4
[2025-08-29 10:15:30] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]             Top Cell Match
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:15:30] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]             Netlist Statistics
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:15:30] [info] |-----|-----|-----|
[2025-08-29 10:15:30] [info] | Total Nets             | 22584       | 23090       |
[2025-08-29 10:15:30] [info] | Total Instances        | 271307      | 22275       |
[2025-08-29 10:15:30] [info] | Total Pins             | 239003      | 117070      |
[2025-08-29 10:15:30] [info] |-----|-----|-----|
[2025-08-29 10:15:30] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] Total Schematic Instances: 22274
[2025-08-29 10:15:30] [info] Matched Instances:       21587
[2025-08-29 10:15:30] [info] Match Percentage: 96.92%

[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]             Short and Open Checks
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] Short Circuits:       None Detected
[2025-08-29 10:15:30] [info] Open Circuits:        None Detected

[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]             Performance Metrics
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] | Stage                | Time Taken |
[2025-08-29 10:15:30] [info] |-----|-----|
[2025-08-29 10:15:30] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:15:30] [info] | Connectivity Extraction | 0 minutes 8 seconds |
[2025-08-29 10:15:30] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:15:30] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]             Additional Details
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:15:30] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:15:30] [info] Database Format:        GDSII
[2025-08-29 10:15:30] [info] Verification Mode:     Full Check
[2025-08-29 10:15:30] [info] Error Reporting:       Enabled

[2025-08-29 10:15:30] [info] -----

```

```

[2025-08-29 10:15:30] [info]                                Type of Errors | Count
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] DB_WARN -> 1
[2025-08-29 10:15:30] [info] DB_WARN003 -> 221
[2025-08-29 10:15:30] [info] VERI_WARN012 -> 508
[2025-08-29 10:15:30] [info] LVS_ERR019 -> 651
[2025-08-29 10:15:30] [info] LVS_ERR003 -> 649
[2025-08-29 10:15:30] [info] ERC_ERR003 -> 649
[2025-08-29 10:15:30] [info] LVS_ERR025 -> 2
[2025-08-29 10:15:30] [info] ERC_ERR008 -> 2
[2025-08-29 10:15:30] [info] LVS_ERR020 -> 1
[2025-08-29 10:15:30] [info] LVS_ERR005 -> 687
[2025-08-29 10:15:30] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info]                                Summary
[2025-08-29 10:15:30] [info] -----
[2025-08-29 10:15:30] [info] LVS Status:                PASSED
[2025-08-29 10:15:30] [info] Instance Match Percentage: 96.92%
[2025-08-29 10:15:30] [info] Short Circuits:            None Detected
[2025-08-29 10:15:30] [info] Open Circuits:             None Detected
[2025-08-29 10:15:30] [info] Unconnected Pins:          751
[2025-08-29 10:15:30] [info] Total Errors:               2642
[2025-08-29 10:15:30] [info] Total Warnings:             730
[2025-08-29 10:15:30] [info] Critical Issues:           None

```

```

[2025-09-02 05:57:02] [info] =====
[2025-09-02 05:57:02] [info] Layout Versus Schematic Report
[2025-09-02 05:57:02] [info] =====

[2025-09-02 05:57:02] [info] Report Generated: 2025-09-02
[2025-09-02 05:57:02] [info] Run Start Time: 05:56:51 AM
[2025-09-02 05:57:02] [info] Run End Time: 05:57:02 AM
[2025-09-02 05:57:02] [info] Time Taken: 0 minutes 13 seconds

[2025-09-02 05:57:02] [info] Tool Version: LVR_2025.1
[2025-09-02 05:57:02] [info] Host Name: kuro-Workstation
[2025-09-02 05:57:02] [info] User Name: kuro
[2025-09-02 05:57:02] [info] Cores Used: 4
[2025-09-02 05:57:02] [info] Memory Utilized: 1469.68 MB / 62.569698333740234 GB

[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Top Cell Match
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Layout Top Cell: aes_cipher_top
[2025-09-02 05:57:02] [info] Schematic Top Cell: aes_cipher_top
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Netlist Statistics
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] | Metric | Layout | Schematic |
[2025-09-02 05:57:02] [info] |-----|-----|-----|
[2025-09-02 05:57:02] [info] | Total Nets | 22535 | 23041 |
[2025-09-02 05:57:02] [info] | Total Instances | 282214 | 22253 |
[2025-09-02 05:57:02] [info] | Total Pins | 251455 | 116968 |
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Pin to Net Mapping Percentage
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Total Schematic Instances: 22253
[2025-09-02 05:57:02] [info] Matched Instances: 21554
[2025-09-02 05:57:02] [info] Match Percentage: 96.86%

[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Short and Open Checks
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Short Circuits: None Detected
[2025-09-02 05:57:02] [info] Open Circuits: Open Detected

[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Performance Metrics
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] | Stage | Time Taken |
[2025-09-02 05:57:02] [info] |-----|-----|
[2025-09-02 05:57:02] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-02 05:57:02] [info] | Connectivity Extraction | 0 minutes 8 seconds |
[2025-09-02 05:57:02] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-02 05:57:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Additional Details
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] Technology Node: Nangate45 (45nm)
[2025-09-02 05:57:02] [info] Hierarchical Cells: Flattened
[2025-09-02 05:57:02] [info] Database Format: GDSII
[2025-09-02 05:57:02] [info] Verification Mode: Full Check
[2025-09-02 05:57:02] [info] Error Reporting: Enabled

[2025-09-02 05:57:02] [info] -----

```

```

[2025-09-02 05:57:02] [info]                Type of Errors | Count
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] DB_WARN -> 1
[2025-09-02 05:57:02] [info] DB_WARN003 -> 219
[2025-09-02 05:57:02] [info] VERI_WARN012 -> 508
[2025-09-02 05:57:02] [info] LVS_ERR018 -> 1
[2025-09-02 05:57:02] [info] LVS_ERR019 -> 663
[2025-09-02 05:57:02] [info] LVS_ERR003 -> 661
[2025-09-02 05:57:02] [info] ERC_ERR003 -> 661
[2025-09-02 05:57:02] [info] LVS_ERR025 -> 2
[2025-09-02 05:57:02] [info] ERC_ERR008 -> 2
[2025-09-02 05:57:02] [info] LVS_ERR005 -> 699
[2025-09-02 05:57:02] [info] LVS_ERR030 -> 1
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info]                Summary
[2025-09-02 05:57:02] [info] -----
[2025-09-02 05:57:02] [info] LVS Status:                PASSED
[2025-09-02 05:57:02] [info] Instance Match Percentage: 96.86%
[2025-09-02 05:57:02] [info] Short Circuits:           None Detected
[2025-09-02 05:57:02] [info] Open Circuits:            Open Detected
[2025-09-02 05:57:02] [info] Unconnected Pins:         763
[2025-09-02 05:57:02] [info] Total Errors:              2690
[2025-09-02 05:57:02] [info] Total Warnings:           728
[2025-09-02 05:57:02] [info] Critical Issues:          None

```

```

[2025-08-29 10:15:48] [info] =====
[2025-08-29 10:15:48] [info]             Layout Versus Schematic Report
[2025-08-29 10:15:48] [info] =====

[2025-08-29 10:15:48] [info] Report Generated:    2025-08-29
[2025-08-29 10:15:48] [info] Run Start Time:      10:15:38 AM
[2025-08-29 10:15:48] [info] Run End Time:        10:15:47 AM
[2025-08-29 10:15:48] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:15:48] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:15:48] [info] Host Name:           kuro-Workstation
[2025-08-29 10:15:48] [info] User Name:           kuro
[2025-08-29 10:15:48] [info] Cores Used:          4
[2025-08-29 10:15:48] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]             Top Cell Match
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:15:48] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]             Netlist Statistics
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:15:48] [info] |-----|-----|-----|
[2025-08-29 10:15:48] [info] | Total Nets             | 22516       | 23022       |
[2025-08-29 10:15:48] [info] | Total Instances        | 269556      | 22222       |
[2025-08-29 10:15:48] [info] | Total Pins             | 233667      | 116862      |
[2025-08-29 10:15:48] [info] |-----|-----|-----|
[2025-08-29 10:15:48] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] Total Schematic Instances: 22222
[2025-08-29 10:15:48] [info] Matched Instances:      21505
[2025-08-29 10:15:48] [info] Match Percentage: 96.77%

[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]             Short and Open Checks
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] Short Circuits:       None Detected
[2025-08-29 10:15:48] [info] Open Circuits:        None Detected

[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]             Performance Metrics
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] | Stage                  | Time Taken |
[2025-08-29 10:15:48] [info] |-----|-----|
[2025-08-29 10:15:48] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:15:48] [info] | Connectivity Extraction | 0 minutes 7 seconds |
[2025-08-29 10:15:48] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:15:48] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]             Additional Details
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:15:48] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:15:48] [info] Database Format:        GDSII
[2025-08-29 10:15:48] [info] Verification Mode:     Full Check
[2025-08-29 10:15:48] [info] Error Reporting:       Enabled

[2025-08-29 10:15:48] [info] -----

```

```

[2025-08-29 10:15:48] [info]                                Type of Errors | Count
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] DB_WARN -> 1
[2025-08-29 10:15:48] [info] DB_WARN003 -> 221
[2025-08-29 10:15:48] [info] VERI_WARN012 -> 508
[2025-08-29 10:15:48] [info] LVS_ERR019 -> 686
[2025-08-29 10:15:48] [info] LVS_ERR003 -> 685
[2025-08-29 10:15:48] [info] ERC_ERR003 -> 685
[2025-08-29 10:15:48] [info] LVS_ERR025 -> 1
[2025-08-29 10:15:48] [info] ERC_ERR008 -> 1
[2025-08-29 10:15:48] [info] LVS_ERR005 -> 717
[2025-08-29 10:15:48] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info]                                Summary
[2025-08-29 10:15:48] [info] -----
[2025-08-29 10:15:48] [info] LVS Status:                PASSED
[2025-08-29 10:15:48] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:15:48] [info] Short Circuits:           None Detected
[2025-08-29 10:15:48] [info] Open Circuits:            None Detected
[2025-08-29 10:15:48] [info] Unconnected Pins:         786
[2025-08-29 10:15:48] [info] Total Errors:              2776
[2025-08-29 10:15:48] [info] Total Warnings:            730
[2025-08-29 10:15:48] [info] Critical Issues:          None

```

```

[2025-08-29 10:15:17] [info] =====
[2025-08-29 10:15:17] [info] Layout Versus Schematic Report
[2025-08-29 10:15:17] [info] =====

[2025-08-29 10:15:17] [info] Report Generated: 2025-08-29
[2025-08-29 10:15:17] [info] Run Start Time: 10:15:16 AM
[2025-08-29 10:15:17] [info] Run End Time: 10:15:17 AM
[2025-08-29 10:15:17] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:15:17] [info] Tool Version: LVR_2025.1
[2025-08-29 10:15:17] [info] Host Name: kuro-Workstation
[2025-08-29 10:15:17] [info] User Name: kuro
[2025-08-29 10:15:17] [info] Cores Used: 4
[2025-08-29 10:15:17] [info] Memory Utilized: 30.48 MB / 62.569698333740234 GB

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Top Cell Match
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Layout Top Cell: gcd
[2025-08-29 10:15:17] [info] Schematic Top Cell: gcd
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Netlist Statistics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Metric | Layout | Schematic |
[2025-08-29 10:15:17] [info] |-----|-----|-----|
[2025-08-29 10:15:17] [info] | Total Nets | 485 | 519 |
[2025-08-29 10:15:17] [info] | Total Instances | 4642 | 428 |
[2025-08-29 10:15:17] [info] | Total Pins | 4999 | 2165 |
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Pin to Net Mapping Percentage
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Total Schematic Instances: 428
[2025-08-29 10:15:17] [info] Matched Instances: 392
[2025-08-29 10:15:17] [info] Match Percentage: 91.59%

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Short and Open Checks
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Short Circuits: None Detected
[2025-08-29 10:15:17] [info] Open Circuits: Open Detected

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Performance Metrics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Stage | Time Taken |
[2025-08-29 10:15:17] [info] |-----|-----|
[2025-08-29 10:15:17] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Additional Details
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:15:17] [info] Hierarchical Cells: Flattened
[2025-08-29 10:15:17] [info] Database Format: GDSII
[2025-08-29 10:15:17] [info] Verification Mode: Full Check
[2025-08-29 10:15:17] [info] Error Reporting: Enabled

[2025-08-29 10:15:17] [info] -----

```

```

[2025-08-29 10:15:17] [info]                                Type of Errors | Count
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] DB_WARN -> 1
[2025-08-29 10:15:17] [info] DB_WARN003 -> 24
[2025-08-29 10:15:17] [info] VERI_WARN012 -> 41
[2025-08-29 10:15:17] [info] LVS_ERR018 -> 1
[2025-08-29 10:15:17] [info] LVS_ERR019 -> 33
[2025-08-29 10:15:17] [info] LVS_ERR003 -> 31
[2025-08-29 10:15:17] [info] ERC_ERR003 -> 31
[2025-08-29 10:15:17] [info] LVS_ERR025 -> 2
[2025-08-29 10:15:17] [info] ERC_ERR008 -> 2
[2025-08-29 10:15:17] [info] LVS_ERR005 -> 36
[2025-08-29 10:15:17] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]                                Summary
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] LVS Status:                PASSED
[2025-08-29 10:15:17] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:15:17] [info] Short Circuits:           None Detected
[2025-08-29 10:15:17] [info] Open Circuits:            Open Detected
[2025-08-29 10:15:17] [info] Unconnected Pins:         133
[2025-08-29 10:15:17] [info] Total Errors:              137
[2025-08-29 10:15:17] [info] Total Warnings:           66
[2025-08-29 10:15:17] [info] Critical Issues:          None

```

```

[2025-08-29 10:15:17] [info] =====
[2025-08-29 10:15:17] [info]             Layout Versus Schematic Report
[2025-08-29 10:15:17] [info] =====

[2025-08-29 10:15:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:15:17] [info] Run Start Time:      10:15:17 AM
[2025-08-29 10:15:17] [info] Run End Time:        10:15:17 AM
[2025-08-29 10:15:17] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:15:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:15:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:15:17] [info] User Name:           kuro
[2025-08-29 10:15:17] [info] Cores Used:          4
[2025-08-29 10:15:17] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]             Top Cell Match
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Layout Top Cell:     gcd
[2025-08-29 10:15:17] [info] Schematic Top Cell:  gcd
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]             Netlist Statistics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:15:17] [info] |-----|-----|-----|
[2025-08-29 10:15:17] [info] | Total Nets             | 482         | 516         |
[2025-08-29 10:15:17] [info] | Total Instances        | 4922        | 427         |
[2025-08-29 10:15:17] [info] | Total Pins             | 5189        | 2161        |
[2025-08-29 10:15:17] [info] |-----|-----|-----|
[2025-08-29 10:15:17] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Total Schematic Instances:    426
[2025-08-29 10:15:17] [info] Matched Instances:           391
[2025-08-29 10:15:17] [info] Match Percentage: 91.78%

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]             Short and Open Checks
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Short Circuits:      None Detected
[2025-08-29 10:15:17] [info] Open Circuits:       None Detected

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]             Performance Metrics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Stage                | Time Taken |
[2025-08-29 10:15:17] [info] |-----|-----|
[2025-08-29 10:15:17] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]             Additional Details
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:15:17] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:15:17] [info] Database Format:       GDSII
[2025-08-29 10:15:17] [info] Verification Mode:    Full Check
[2025-08-29 10:15:17] [info] Error Reporting:      Enabled

[2025-08-29 10:15:17] [info] -----

```

```

[2025-08-29 10:15:17] [info]                                Type of Errors | Count
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] DB_WARN -> 1
[2025-08-29 10:15:17] [info] DB_WARN003 -> 34
[2025-08-29 10:15:17] [info] VERI_WARN012 -> 40
[2025-08-29 10:15:17] [info] LVS_ERR019 -> 34
[2025-08-29 10:15:17] [info] LVS_ERR003 -> 32
[2025-08-29 10:15:17] [info] ERC_ERR003 -> 32
[2025-08-29 10:15:17] [info] LVS_ERR025 -> 2
[2025-08-29 10:15:17] [info] ERC_ERR008 -> 2
[2025-08-29 10:15:17] [info] LVS_ERR020 -> 1
[2025-08-29 10:15:17] [info] LVS_ERR005 -> 35
[2025-08-29 10:15:17] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]                                Summary
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] LVS Status:                PASSED
[2025-08-29 10:15:17] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:15:17] [info] Short Circuits:           None Detected
[2025-08-29 10:15:17] [info] Open Circuits:            None Detected
[2025-08-29 10:15:17] [info] Unconnected Pins:         134
[2025-08-29 10:15:17] [info] Total Errors:              139
[2025-08-29 10:15:17] [info] Total Warnings:           75
[2025-08-29 10:15:17] [info] Critical Issues:          None

```

```

[2025-08-29 10:15:17] [info] =====
[2025-08-29 10:15:17] [info] Layout Versus Schematic Report
[2025-08-29 10:15:17] [info] =====

[2025-08-29 10:15:17] [info] Report Generated: 2025-08-29
[2025-08-29 10:15:17] [info] Run Start Time: 10:15:17 AM
[2025-08-29 10:15:17] [info] Run End Time: 10:15:17 AM
[2025-08-29 10:15:17] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:15:17] [info] Tool Version: LVR_2025.1
[2025-08-29 10:15:17] [info] Host Name: kuro-Workstation
[2025-08-29 10:15:17] [info] User Name: kuro
[2025-08-29 10:15:17] [info] Cores Used: 4
[2025-08-29 10:15:17] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Top Cell Match
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Layout Top Cell: gcd
[2025-08-29 10:15:17] [info] Schematic Top Cell: gcd
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Netlist Statistics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Metric | Layout | Schematic |
[2025-08-29 10:15:17] [info] |-----|-----|-----|
[2025-08-29 10:15:17] [info] | Total Nets | 489 | 523 |
[2025-08-29 10:15:17] [info] | Total Instances | 4681 | 427 |
[2025-08-29 10:15:17] [info] | Total Pins | 4941 | 2165 |
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Pin to Net Mapping Percentage
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Total Schematic Instances: 427
[2025-08-29 10:15:17] [info] Matched Instances: 389
[2025-08-29 10:15:17] [info] Match Percentage: 91.10%

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Short and Open Checks
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Short Circuits: None Detected
[2025-08-29 10:15:17] [info] Open Circuits: None Detected

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Performance Metrics
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] | Stage | Time Taken |
[2025-08-29 10:15:17] [info] |-----|-----|
[2025-08-29 10:15:17] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:15:17] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Additional Details
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:15:17] [info] Hierarchical Cells: Flattened
[2025-08-29 10:15:17] [info] Database Format: GDSII
[2025-08-29 10:15:17] [info] Verification Mode: Full Check
[2025-08-29 10:15:17] [info] Error Reporting: Enabled

[2025-08-29 10:15:17] [info] -----

```

```

[2025-08-29 10:15:17] [info]                                Type of Errors | Count
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] DB_WARN -> 1
[2025-08-29 10:15:17] [info] DB_WARN003 -> 26
[2025-08-29 10:15:17] [info] VERI_WARN012 -> 39
[2025-08-29 10:15:17] [info] LVS_ERR019 -> 38
[2025-08-29 10:15:17] [info] LVS_ERR003 -> 36
[2025-08-29 10:15:17] [info] ERC_ERR003 -> 36
[2025-08-29 10:15:17] [info] LVS_ERR025 -> 2
[2025-08-29 10:15:17] [info] ERC_ERR008 -> 2
[2025-08-29 10:15:17] [info] LVS_ERR005 -> 38
[2025-08-29 10:15:17] [info] LVS_ERR030 -> 1
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info]                                Summary
[2025-08-29 10:15:17] [info] -----
[2025-08-29 10:15:17] [info] LVS Status:                PASSED
[2025-08-29 10:15:17] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:15:17] [info] Short Circuits:           None Detected
[2025-08-29 10:15:17] [info] Open Circuits:            None Detected
[2025-08-29 10:15:17] [info] Unconnected Pins:         138
[2025-08-29 10:15:17] [info] Total Errors:              153
[2025-08-29 10:15:17] [info] Total Warnings:            66
[2025-08-29 10:15:17] [info] Critical Issues:          None

```

```

[2025-08-29 10:16:01] [info] =====
[2025-08-29 10:16:01] [info]           Layout Versus Schematic Report
[2025-08-29 10:16:01] [info] =====

[2025-08-29 10:16:01] [info] Report Generated:    2025-08-29
[2025-08-29 10:16:01] [info] Run Start Time:      10:15:51 AM
[2025-08-29 10:16:01] [info] Run End Time:        10:16:01 AM
[2025-08-29 10:16:01] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:16:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:16:01] [info] Host Name:           kuro-Workstation
[2025-08-29 10:16:01] [info] User Name:           kuro
[2025-08-29 10:16:01] [info] Cores Used:          4
[2025-08-29 10:16:01] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]           Top Cell Match
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:16:01] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]           Netlist Statistics
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:16:01] [info] |-----|-----|-----|
[2025-08-29 10:16:01] [info] | Total Nets             | 20853       | 21678       |
[2025-08-29 10:16:01] [info] | Total Instances        | 235969      | 18896       |
[2025-08-29 10:16:01] [info] | Total Pins             | 219487      | 104536      |
[2025-08-29 10:16:01] [info] |-----|-----|-----|
[2025-08-29 10:16:01] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] Total Schematic Instances: 18895
[2025-08-29 10:16:01] [info] Matched Instances:        17934
[2025-08-29 10:16:01] [info] Match Percentage: 94.91%

[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]           Short and Open Checks
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] Short Circuits:        None Detected
[2025-08-29 10:16:01] [info] Open Circuits:         None Detected

[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]           Performance Metrics
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] | Stage                  | Time Taken |
[2025-08-29 10:16:01] [info] |-----|-----|
[2025-08-29 10:16:01] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:16:01] [info] | Connectivity Extraction  | 0 minutes 7 seconds |
[2025-08-29 10:16:01] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:16:01] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]           Additional Details
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:16:01] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:16:01] [info] Database Format:         GDSII
[2025-08-29 10:16:01] [info] Verification Mode:      Full Check
[2025-08-29 10:16:01] [info] Error Reporting:        Enabled

[2025-08-29 10:16:01] [info] -----

```

```

[2025-08-29 10:16:01] [info]                                Type of Errors | Count
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] DB_WARN -> 1
[2025-08-29 10:16:01] [info] DB_WARN003 -> 85
[2025-08-29 10:16:01] [info] VERI_WARN012 -> 828
[2025-08-29 10:16:01] [info] LVS_ERR019 -> 903
[2025-08-29 10:16:01] [info] LVS_ERR003 -> 894
[2025-08-29 10:16:01] [info] ERC_ERR003 -> 894
[2025-08-29 10:16:01] [info] LVS_ERR025 -> 1
[2025-08-29 10:16:01] [info] ERC_ERR008 -> 1
[2025-08-29 10:16:01] [info] LVS_ERR020 -> 1
[2025-08-29 10:16:01] [info] LVS_ERR005 -> 961
[2025-08-29 10:16:01] [info] LVS_ERR030 -> 1
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info]                                Summary
[2025-08-29 10:16:01] [info] -----
[2025-08-29 10:16:01] [info] LVS Status:                PASSED
[2025-08-29 10:16:01] [info] Instance Match Percentage: 94.91%
[2025-08-29 10:16:01] [info] Short Circuits:           None Detected
[2025-08-29 10:16:01] [info] Open Circuits:            None Detected
[2025-08-29 10:16:01] [info] Unconnected Pins:         1003
[2025-08-29 10:16:01] [info] Total Errors:              3656
[2025-08-29 10:16:01] [info] Total Warnings:           914
[2025-08-29 10:16:01] [info] Critical Issues:          None

```

```

[2025-09-02 05:57:15] [info] =====
[2025-09-02 05:57:15] [info] Layout Versus Schematic Report
[2025-09-02 05:57:15] [info] =====

[2025-09-02 05:57:15] [info] Report Generated: 2025-09-02
[2025-09-02 05:57:15] [info] Run Start Time: 05:57:05 AM
[2025-09-02 05:57:15] [info] Run End Time: 05:57:15 AM
[2025-09-02 05:57:15] [info] Time Taken: 0 minutes 12 seconds

[2025-09-02 05:57:15] [info] Tool Version: LVR_2025.1
[2025-09-02 05:57:15] [info] Host Name: kuro-Workstation
[2025-09-02 05:57:15] [info] User Name: kuro
[2025-09-02 05:57:15] [info] Cores Used: 4
[2025-09-02 05:57:15] [info] Memory Utilized: 1601.60 MB / 62.569698333740234 GB

[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Top Cell Match
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Layout Top Cell: ibex_core
[2025-09-02 05:57:15] [info] Schematic Top Cell: ibex_core
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Netlist Statistics
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] | Metric | Layout | Schematic |
[2025-09-02 05:57:15] [info] |-----|-----|-----|
[2025-09-02 05:57:15] [info] | Total Nets | 20853 | 21678 |
[2025-09-02 05:57:15] [info] | Total Instances | 245499 | 18933 |
[2025-09-02 05:57:15] [info] | Total Pins | 230379 | 104624 |
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Pin to Net Mapping Percentage
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Total Schematic Instances: 18933
[2025-09-02 05:57:15] [info] Matched Instances: 13384
[2025-09-02 05:57:15] [info] Match Percentage: 70.69%

[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Short and Open Checks
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Short Circuits: None Detected
[2025-09-02 05:57:15] [info] Open Circuits: None Detected

[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Performance Metrics
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] | Stage | Time Taken |
[2025-09-02 05:57:15] [info] |-----|-----|
[2025-09-02 05:57:15] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-02 05:57:15] [info] | Connectivity Extraction | 0 minutes 7 seconds |
[2025-09-02 05:57:15] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-02 05:57:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Additional Details
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] Technology Node: Nangate45 (45nm)
[2025-09-02 05:57:15] [info] Hierarchical Cells: Flattened
[2025-09-02 05:57:15] [info] Database Format: GDSII
[2025-09-02 05:57:15] [info] Verification Mode: Full Check
[2025-09-02 05:57:15] [info] Error Reporting: Enabled

[2025-09-02 05:57:15] [info] -----

```

```

[2025-09-02 05:57:15] [info]                                Type of Errors | Count
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] DB_WARN -> 1
[2025-09-02 05:57:15] [info] DB_WARN003 -> 85
[2025-09-02 05:57:15] [info] VERI_WARN012 -> 828
[2025-09-02 05:57:15] [info] LVS_ERR019 -> 893
[2025-09-02 05:57:15] [info] LVS_ERR003 -> 883
[2025-09-02 05:57:15] [info] ERC_ERR003 -> 883
[2025-09-02 05:57:15] [info] LVS_ERR025 -> 2
[2025-09-02 05:57:15] [info] ERC_ERR008 -> 2
[2025-09-02 05:57:15] [info] LVS_ERR005 -> 5549
[2025-09-02 05:57:15] [info] LVS_ERR030 -> 1
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info]                                Summary
[2025-09-02 05:57:15] [info] -----
[2025-09-02 05:57:15] [info] LVS Status:                PASSED
[2025-09-02 05:57:15] [info] Instance Match Percentage: 70.69%
[2025-09-02 05:57:15] [info] Short Circuits:           None Detected
[2025-09-02 05:57:15] [info] Open Circuits:            None Detected
[2025-09-02 05:57:15] [info] Unconnected Pins:         993
[2025-09-02 05:57:15] [info] Total Errors:              8213
[2025-09-02 05:57:15] [info] Total Warnings:            914
[2025-09-02 05:57:15] [info] Critical Issues:           None

```

```

[2025-08-29 10:16:18] [info] =====
[2025-08-29 10:16:18] [info]             Layout Versus Schematic Report
[2025-08-29 10:16:18] [info] =====

[2025-08-29 10:16:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:16:18] [info] Run Start Time:      10:16:09 AM
[2025-08-29 10:16:18] [info] Run End Time:        10:16:18 AM
[2025-08-29 10:16:18] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:16:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:16:18] [info] Host Name:           kuro-Workstation
[2025-08-29 10:16:18] [info] User Name:           kuro
[2025-08-29 10:16:18] [info] Cores Used:          4
[2025-08-29 10:16:18] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]             Top Cell Match
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:16:18] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]             Netlist Statistics
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:16:18] [info] |-----|-----|-----|
[2025-08-29 10:16:18] [info] | Total Nets             | 20848       | 21673       |
[2025-08-29 10:16:18] [info] | Total Instances        | 231162      | 18863       |
[2025-08-29 10:16:18] [info] | Total Pins             | 210404      | 104404      |
[2025-08-29 10:16:18] [info] |-----|-----|-----|
[2025-08-29 10:16:18] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] Total Schematic Instances: 18863
[2025-08-29 10:16:18] [info] Matched Instances:        17920
[2025-08-29 10:16:18] [info] Match Percentage: 95.00%

[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]             Short and Open Checks
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] Short Circuits:        None Detected
[2025-08-29 10:16:18] [info] Open Circuits:         None Detected

[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]             Performance Metrics
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] | Stage                  | Time Taken |
[2025-08-29 10:16:18] [info] |-----|-----|
[2025-08-29 10:16:18] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:16:18] [info] | Connectivity Extraction | 0 minutes 7 seconds |
[2025-08-29 10:16:18] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:16:18] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]             Additional Details
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:16:18] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:16:18] [info] Database Format:         GDSII
[2025-08-29 10:16:18] [info] Verification Mode:      Full Check
[2025-08-29 10:16:18] [info] Error Reporting:        Enabled

[2025-08-29 10:16:18] [info] -----

```

```

[2025-08-29 10:16:18] [info]                                Type of Errors | Count
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] DB_WARN -> 1
[2025-08-29 10:16:18] [info] DB_WARN003 -> 98
[2025-08-29 10:16:18] [info] VERI_WARN012 -> 828
[2025-08-29 10:16:18] [info] LVS_ERR019 -> 880
[2025-08-29 10:16:18] [info] LVS_ERR003 -> 871
[2025-08-29 10:16:18] [info] ERC_ERR003 -> 871
[2025-08-29 10:16:18] [info] LVS_ERR025 -> 1
[2025-08-29 10:16:18] [info] ERC_ERR008 -> 1
[2025-08-29 10:16:18] [info] LVS_ERR005 -> 943
[2025-08-29 10:16:18] [info] LVS_ERR030 -> 1
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info]                                Summary
[2025-08-29 10:16:18] [info] -----
[2025-08-29 10:16:18] [info] LVS Status:                PASSED
[2025-08-29 10:16:18] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:16:18] [info] Short Circuits:           None Detected
[2025-08-29 10:16:18] [info] Open Circuits:            None Detected
[2025-08-29 10:16:18] [info] Unconnected Pins:         980
[2025-08-29 10:16:18] [info] Total Errors:              3568
[2025-08-29 10:16:18] [info] Total Warnings:            927
[2025-08-29 10:16:18] [info] Critical Issues:           None

```

```

[2025-08-29 10:16:57] [info] =====
[2025-08-29 10:16:57] [info]             Layout Versus Schematic Report
[2025-08-29 10:16:57] [info] =====

[2025-08-29 10:16:57] [info] Report Generated:    2025-08-29
[2025-08-29 10:16:57] [info] Run Start Time:      10:16:29 AM
[2025-08-29 10:16:57] [info] Run End Time:        10:16:56 AM
[2025-08-29 10:16:57] [info] Time Taken:          0 minutes 38 seconds

[2025-08-29 10:16:57] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:16:57] [info] Host Name:           kuro-Workstation
[2025-08-29 10:16:57] [info] User Name:           kuro
[2025-08-29 10:16:57] [info] Cores Used:          4
[2025-08-29 10:16:57] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info]             Top Cell Match
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:16:57] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info]             Netlist Statistics
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:16:57] [info] |-----|-----|-----|
[2025-08-29 10:16:57] [info] | Total Nets            | 69401       | 73466       |
[2025-08-29 10:16:57] [info] | Total Instances       | 625384      | 56662       |
[2025-08-29 10:16:57] [info] | Total Pins            | 660922      | 302058      |
[2025-08-29 10:16:57] [info] |-----|-----|-----|
[2025-08-29 10:16:57] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] Total Schematic Instances: 56662
[2025-08-29 10:16:57] [info] Matched Instances:      52362
[2025-08-29 10:16:57] [info] Match Percentage: 92.41%

[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info]             Short and Open Checks
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] Short Circuits:       None Detected
[2025-08-29 10:16:57] [info] Open Circuits:        None Detected

[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info]             Performance Metrics
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] | Stage                  | Time Taken |
[2025-08-29 10:16:57] [info] |-----|-----|
[2025-08-29 10:16:57] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:16:57] [info] | Connectivity Extraction | 0 minutes 22 seconds |
[2025-08-29 10:16:57] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:16:57] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info]             Additional Details
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:16:57] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:16:57] [info] Database Format:       GDSII
[2025-08-29 10:16:57] [info] Verification Mode:    Full Check
[2025-08-29 10:16:57] [info] Error Reporting:      Enabled

[2025-08-29 10:16:57] [info] -----

```

```
[2025-08-29 10:16:57] [info] Type of Errors | Count
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] DB_WARN -> 1
[2025-08-29 10:16:57] [info] DB_WARN003 -> 37
[2025-08-29 10:16:57] [info] VERI_WARN012 -> 4068
[2025-08-29 10:16:57] [info] LVS_ERR019 -> 4068
[2025-08-29 10:16:57] [info] LVS_ERR003 -> 4066
[2025-08-29 10:16:57] [info] ERC_ERR003 -> 4066
[2025-08-29 10:16:57] [info] LVS_ERR025 -> 2
[2025-08-29 10:16:57] [info] ERC_ERR008 -> 2
[2025-08-29 10:16:57] [info] LVS_ERR005 -> 4300
[2025-08-29 10:16:57] [info] LVS_ERR030 -> 1
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] Summary
[2025-08-29 10:16:57] [info] -----
[2025-08-29 10:16:57] [info] LVS Status: PASSED
[2025-08-29 10:16:57] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:16:57] [info] Short Circuits: None Detected
[2025-08-29 10:16:57] [info] Open Circuits: None Detected
[2025-08-29 10:16:57] [info] Unconnected Pins: 4168
[2025-08-29 10:16:57] [info] Total Errors: 16505
[2025-08-29 10:16:57] [info] Total Warnings: 4106
[2025-08-29 10:16:57] [info] Critical Issues: None
```

```

[2025-08-29 10:17:37] [info] =====
[2025-08-29 10:17:37] [info]             Layout Versus Schematic Report
[2025-08-29 10:17:37] [info] =====

[2025-08-29 10:17:37] [info] Report Generated:    2025-08-29
[2025-08-29 10:17:37] [info] Run Start Time:      10:17:08 AM
[2025-08-29 10:17:37] [info] Run End Time:        10:17:37 AM
[2025-08-29 10:17:37] [info] Time Taken:          0 minutes 38 seconds

[2025-08-29 10:17:37] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:17:37] [info] Host Name:           kuro-Workstation
[2025-08-29 10:17:37] [info] User Name:           kuro
[2025-08-29 10:17:37] [info] Cores Used:          4
[2025-08-29 10:17:37] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]             Top Cell Match
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:17:37] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]             Netlist Statistics
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:17:37] [info] |-----|-----|-----|
[2025-08-29 10:17:37] [info] | Total Nets             | 69389       | 73454       |
[2025-08-29 10:17:37] [info] | Total Instances        | 657399      | 56662       |
[2025-08-29 10:17:37] [info] | Total Pins             | 701572      | 302062      |
[2025-08-29 10:17:37] [info] |-----|-----|-----|
[2025-08-29 10:17:37] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] Total Schematic Instances:    56662
[2025-08-29 10:17:37] [info] Matched Instances:           52356
[2025-08-29 10:17:37] [info] Match Percentage: 92.40%

[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]             Short and Open Checks
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] Short Circuits:      None Detected
[2025-08-29 10:17:37] [info] Open Circuits:       Open Detected

[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]             Performance Metrics
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] | Stage                | Time Taken |
[2025-08-29 10:17:37] [info] |-----|-----|
[2025-08-29 10:17:37] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:17:37] [info] | Connectivity Extraction | 0 minutes 22 seconds |
[2025-08-29 10:17:37] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:17:37] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]             Additional Details
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:17:37] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:17:37] [info] Database Format:       GDSII
[2025-08-29 10:17:37] [info] Verification Mode:    Full Check
[2025-08-29 10:17:37] [info] Error Reporting:      Enabled

[2025-08-29 10:17:37] [info] -----

```

```

[2025-08-29 10:17:37] [info]                Type of Errors | Count
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] DB_WARN -> 1
[2025-08-29 10:17:37] [info] DB_WARN003 -> 39
[2025-08-29 10:17:37] [info] VERI_WARN012 -> 4068
[2025-08-29 10:17:37] [info] LVS_ERR018 -> 1
[2025-08-29 10:17:37] [info] LVS_ERR019 -> 4055
[2025-08-29 10:17:37] [info] LVS_ERR003 -> 4054
[2025-08-29 10:17:37] [info] ERC_ERR003 -> 4054
[2025-08-29 10:17:37] [info] LVS_ERR025 -> 1
[2025-08-29 10:17:37] [info] ERC_ERR008 -> 1
[2025-08-29 10:17:37] [info] LVS_ERR005 -> 4306
[2025-08-29 10:17:37] [info] LVS_ERR030 -> 1
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info]                Summary
[2025-08-29 10:17:37] [info] -----
[2025-08-29 10:17:37] [info] LVS Status:                PASSED
[2025-08-29 10:17:37] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:17:37] [info] Short Circuits:            None Detected
[2025-08-29 10:17:37] [info] Open Circuits:             Open Detected
[2025-08-29 10:17:37] [info] Unconnected Pins:          4155
[2025-08-29 10:17:37] [info] Total Errors:              16473
[2025-08-29 10:17:37] [info] Total Warnings:            4108
[2025-08-29 10:17:37] [info] Critical Issues:           None

```

```

[2025-08-29 10:18:16] [info] =====
[2025-08-29 10:18:16] [info]             Layout Versus Schematic Report
[2025-08-29 10:18:16] [info] =====

[2025-08-29 10:18:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:16] [info] Run Start Time:      10:17:48 AM
[2025-08-29 10:18:16] [info] Run End Time:        10:18:16 AM
[2025-08-29 10:18:16] [info] Time Taken:          0 minutes 37 seconds

[2025-08-29 10:18:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:16] [info] User Name:           kuro
[2025-08-29 10:18:16] [info] Cores Used:          4
[2025-08-29 10:18:16] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]             Top Cell Match
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:18:16] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]             Netlist Statistics
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:16] [info] |-----|-----|-----|
[2025-08-29 10:18:16] [info] | Total Nets             | 69382       | 73447       |
[2025-08-29 10:18:16] [info] | Total Instances        | 607454      | 56666       |
[2025-08-29 10:18:16] [info] | Total Pins             | 633023      | 302074      |
[2025-08-29 10:18:16] [info] |-----|-----|-----|
[2025-08-29 10:18:16] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] Total Schematic Instances:    56665
[2025-08-29 10:18:16] [info] Matched Instances:           52360
[2025-08-29 10:18:16] [info] Match Percentage: 92.40%

[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]             Short and Open Checks
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] Short Circuits:      None Detected
[2025-08-29 10:18:16] [info] Open Circuits:       Open Detected

[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]             Performance Metrics
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] | Stage                | Time Taken |
[2025-08-29 10:18:16] [info] |-----|-----|
[2025-08-29 10:18:16] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:18:16] [info] | Connectivity Extraction | 0 minutes 22 seconds |
[2025-08-29 10:18:16] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:18:16] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]             Additional Details
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:18:16] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:18:16] [info] Database Format:       GDSII
[2025-08-29 10:18:16] [info] Verification Mode:    Full Check
[2025-08-29 10:18:16] [info] Error Reporting:      Enabled

[2025-08-29 10:18:16] [info] -----

```

```

[2025-08-29 10:18:16] [info]                                Type of Errors | Count
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] DB_WARN -> 1
[2025-08-29 10:18:16] [info] DB_WARN003 -> 34
[2025-08-29 10:18:16] [info] VERI_WARN012 -> 4068
[2025-08-29 10:18:16] [info] LVS_ERR018 -> 1
[2025-08-29 10:18:16] [info] LVS_ERR019 -> 4068
[2025-08-29 10:18:16] [info] LVS_ERR003 -> 4067
[2025-08-29 10:18:16] [info] ERC_ERR003 -> 4067
[2025-08-29 10:18:16] [info] LVS_ERR025 -> 1
[2025-08-29 10:18:16] [info] ERC_ERR008 -> 1
[2025-08-29 10:18:16] [info] LVS_ERR020 -> 1
[2025-08-29 10:18:16] [info] LVS_ERR005 -> 4305
[2025-08-29 10:18:16] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info]                                Summary
[2025-08-29 10:18:16] [info] -----
[2025-08-29 10:18:16] [info] LVS Status:                PASSED
[2025-08-29 10:18:16] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:18:16] [info] Short Circuits:           None Detected
[2025-08-29 10:18:16] [info] Open Circuits:            Open Detected
[2025-08-29 10:18:16] [info] Unconnected Pins:         4168
[2025-08-29 10:18:16] [info] Total Errors:              16512
[2025-08-29 10:18:16] [info] Total Warnings:            4103
[2025-08-29 10:18:16] [info] Critical Issues:           None

```

```

[2025-08-29 10:18:29] [info] =====
[2025-08-29 10:18:29] [info]             Layout Versus Schematic Report
[2025-08-29 10:18:29] [info] =====

[2025-08-29 10:18:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:29] [info] Run Start Time:      10:18:21 AM
[2025-08-29 10:18:29] [info] Run End Time:        10:18:29 AM
[2025-08-29 10:18:29] [info] Time Taken:          0 minutes 11 seconds

[2025-08-29 10:18:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:29] [info] User Name:           kuro
[2025-08-29 10:18:29] [info] Cores Used:          8
[2025-08-29 10:18:29] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]             Top Cell Match
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:18:29] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]             Netlist Statistics
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:29] [info] |-----|-----|-----|
[2025-08-29 10:18:29] [info] | Total Nets             | 22584       | 23090       |
[2025-08-29 10:18:29] [info] | Total Instances        | 271307      | 22275       |
[2025-08-29 10:18:29] [info] | Total Pins             | 239003      | 117070      |
[2025-08-29 10:18:29] [info] |-----|-----|-----|
[2025-08-29 10:18:29] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] Total Schematic Instances: 22274
[2025-08-29 10:18:29] [info] Matched Instances:       21587
[2025-08-29 10:18:29] [info] Match Percentage: 96.92%

[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]             Short and Open Checks
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] Short Circuits:        None Detected
[2025-08-29 10:18:29] [info] Open Circuits:         None Detected

[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]             Performance Metrics
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] | Stage                  | Time Taken |
[2025-08-29 10:18:29] [info] |-----|-----|
[2025-08-29 10:18:29] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:18:29] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:18:29] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:18:29] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]             Additional Details
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:18:29] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:18:29] [info] Database Format:        GDSII
[2025-08-29 10:18:29] [info] Verification Mode:     Full Check
[2025-08-29 10:18:29] [info] Error Reporting:       Enabled

[2025-08-29 10:18:29] [info] -----

```

```

[2025-08-29 10:18:29] [info]                                Type of Errors | Count
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] DB_WARN -> 1
[2025-08-29 10:18:29] [info] DB_WARN003 -> 221
[2025-08-29 10:18:29] [info] VERI_WARN012 -> 508
[2025-08-29 10:18:29] [info] LVS_ERR019 -> 651
[2025-08-29 10:18:29] [info] LVS_ERR003 -> 649
[2025-08-29 10:18:29] [info] ERC_ERR003 -> 649
[2025-08-29 10:18:29] [info] LVS_ERR025 -> 2
[2025-08-29 10:18:29] [info] ERC_ERR008 -> 2
[2025-08-29 10:18:29] [info] LVS_ERR020 -> 1
[2025-08-29 10:18:29] [info] LVS_ERR005 -> 687
[2025-08-29 10:18:29] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info]                                Summary
[2025-08-29 10:18:29] [info] -----
[2025-08-29 10:18:29] [info] LVS Status:                PASSED
[2025-08-29 10:18:29] [info] Instance Match Percentage: 96.92%
[2025-08-29 10:18:29] [info] Short Circuits:           None Detected
[2025-08-29 10:18:29] [info] Open Circuits:            None Detected
[2025-08-29 10:18:29] [info] Unconnected Pins:         751
[2025-08-29 10:18:29] [info] Total Errors:              2642
[2025-08-29 10:18:29] [info] Total Warnings:            730
[2025-08-29 10:18:29] [info] Critical Issues:           None

```

```

[2025-09-02 05:57:27] [info] =====
[2025-09-02 05:57:27] [info]             Layout Versus Schematic Report
[2025-09-02 05:57:27] [info] =====

[2025-09-02 05:57:27] [info] Report Generated:    2025-09-02
[2025-09-02 05:57:27] [info] Run Start Time:      05:57:18 AM
[2025-09-02 05:57:27] [info] Run End Time:        05:57:27 AM
[2025-09-02 05:57:27] [info] Time Taken:          0 minutes 11 seconds

[2025-09-02 05:57:27] [info] Tool Version:        LVR_2025.1
[2025-09-02 05:57:27] [info] Host Name:           kuro-Workstation
[2025-09-02 05:57:27] [info] User Name:           kuro
[2025-09-02 05:57:27] [info] Cores Used:          8
[2025-09-02 05:57:27] [info] Memory Utilized:     1469.68 MB / 62.569698333740234 GB

[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]             Top Cell Match
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] Layout Top Cell:     aes_cipher_top
[2025-09-02 05:57:27] [info] Schematic Top Cell:  aes_cipher_top
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]             Netlist Statistics
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] | Metric                | Layout      | Schematic   |
[2025-09-02 05:57:27] [info] |-----|-----|-----|
[2025-09-02 05:57:27] [info] | Total Nets             | 22535       | 23041       |
[2025-09-02 05:57:27] [info] | Total Instances        | 282214      | 22253       |
[2025-09-02 05:57:27] [info] | Total Pins             | 251455      | 116968      |
[2025-09-02 05:57:27] [info] |-----|-----|-----|
[2025-09-02 05:57:27] [info]             Pin to Net Mapping Percentage
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] Total Schematic Instances: 22253
[2025-09-02 05:57:27] [info] Matched Instances:      21554
[2025-09-02 05:57:27] [info] Match Percentage: 96.86%

[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]             Short and Open Checks
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] Short Circuits:       None Detected
[2025-09-02 05:57:27] [info] Open Circuits:        Open Detected

[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]             Performance Metrics
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] | Stage                  | Time Taken |
[2025-09-02 05:57:27] [info] |-----|-----|
[2025-09-02 05:57:27] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-02 05:57:27] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-09-02 05:57:27] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-02 05:57:27] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]             Additional Details
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] Technology Node:      Nangate45 (45nm)
[2025-09-02 05:57:27] [info] Hierarchical Cells:   Flattened
[2025-09-02 05:57:27] [info] Database Format:       GDSII
[2025-09-02 05:57:27] [info] Verification Mode:    Full Check
[2025-09-02 05:57:27] [info] Error Reporting:      Enabled

[2025-09-02 05:57:27] [info] -----

```

```

[2025-09-02 05:57:27] [info]                Type of Errors | Count
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] DB_WARN -> 1
[2025-09-02 05:57:27] [info] DB_WARN003 -> 219
[2025-09-02 05:57:27] [info] VERI_WARN012 -> 508
[2025-09-02 05:57:27] [info] LVS_ERR018 -> 1
[2025-09-02 05:57:27] [info] LVS_ERR019 -> 663
[2025-09-02 05:57:27] [info] LVS_ERR003 -> 661
[2025-09-02 05:57:27] [info] ERC_ERR003 -> 661
[2025-09-02 05:57:27] [info] LVS_ERR025 -> 2
[2025-09-02 05:57:27] [info] ERC_ERR008 -> 2
[2025-09-02 05:57:27] [info] LVS_ERR005 -> 699
[2025-09-02 05:57:27] [info] LVS_ERR030 -> 1
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info]                Summary
[2025-09-02 05:57:27] [info] -----
[2025-09-02 05:57:27] [info] LVS Status:                PASSED
[2025-09-02 05:57:27] [info] Instance Match Percentage: 96.86%
[2025-09-02 05:57:27] [info] Short Circuits:           None Detected
[2025-09-02 05:57:27] [info] Open Circuits:            Open Detected
[2025-09-02 05:57:27] [info] Unconnected Pins:         763
[2025-09-02 05:57:27] [info] Total Errors:              2690
[2025-09-02 05:57:27] [info] Total Warnings:            728
[2025-09-02 05:57:27] [info] Critical Issues:          None

```

```

[2025-08-29 10:18:45] [info] =====
[2025-08-29 10:18:45] [info]             Layout Versus Schematic Report
[2025-08-29 10:18:45] [info] =====

[2025-08-29 10:18:45] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:45] [info] Run Start Time:      10:18:37 AM
[2025-08-29 10:18:45] [info] Run End Time:        10:18:45 AM
[2025-08-29 10:18:45] [info] Time Taken:          0 minutes 11 seconds

[2025-08-29 10:18:45] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:45] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:45] [info] User Name:           kuro
[2025-08-29 10:18:45] [info] Cores Used:          8
[2025-08-29 10:18:45] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]             Top Cell Match
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:18:45] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]             Netlist Statistics
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:45] [info] |-----|-----|-----|
[2025-08-29 10:18:45] [info] | Total Nets             | 22516       | 23022       |
[2025-08-29 10:18:45] [info] | Total Instances        | 269556      | 22222       |
[2025-08-29 10:18:45] [info] | Total Pins             | 233667      | 116862      |
[2025-08-29 10:18:45] [info] |-----|-----|-----|
[2025-08-29 10:18:45] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] Total Schematic Instances: 22222
[2025-08-29 10:18:45] [info] Matched Instances:      21505
[2025-08-29 10:18:45] [info] Match Percentage: 96.77%

[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]             Short and Open Checks
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] Short Circuits:       None Detected
[2025-08-29 10:18:45] [info] Open Circuits:        None Detected

[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]             Performance Metrics
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] | Stage                  | Time Taken |
[2025-08-29 10:18:45] [info] |-----|-----|
[2025-08-29 10:18:45] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:18:45] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:18:45] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:18:45] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]             Additional Details
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:18:45] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:18:45] [info] Database Format:       GDSII
[2025-08-29 10:18:45] [info] Verification Mode:    Full Check
[2025-08-29 10:18:45] [info] Error Reporting:      Enabled

[2025-08-29 10:18:45] [info] -----

```

```

[2025-08-29 10:18:45] [info]                                Type of Errors | Count
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] DB_WARN -> 1
[2025-08-29 10:18:45] [info] DB_WARN003 -> 221
[2025-08-29 10:18:45] [info] VERI_WARN012 -> 508
[2025-08-29 10:18:45] [info] LVS_ERR019 -> 686
[2025-08-29 10:18:45] [info] LVS_ERR003 -> 685
[2025-08-29 10:18:45] [info] ERC_ERR003 -> 685
[2025-08-29 10:18:45] [info] LVS_ERR025 -> 1
[2025-08-29 10:18:45] [info] ERC_ERR008 -> 1
[2025-08-29 10:18:45] [info] LVS_ERR005 -> 717
[2025-08-29 10:18:45] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info]                                Summary
[2025-08-29 10:18:45] [info] -----
[2025-08-29 10:18:45] [info] LVS Status:                PASSED
[2025-08-29 10:18:45] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:18:45] [info] Short Circuits:           None Detected
[2025-08-29 10:18:45] [info] Open Circuits:            None Detected
[2025-08-29 10:18:45] [info] Unconnected Pins:         786
[2025-08-29 10:18:45] [info] Total Errors:              2776
[2025-08-29 10:18:45] [info] Total Warnings:            730
[2025-08-29 10:18:45] [info] Critical Issues:           None

```

```

[2025-08-29 10:18:18] [info] =====
[2025-08-29 10:18:18] [info] Layout Versus Schematic Report
[2025-08-29 10:18:18] [info] =====

[2025-08-29 10:18:18] [info] Report Generated: 2025-08-29
[2025-08-29 10:18:18] [info] Run Start Time: 10:18:17 AM
[2025-08-29 10:18:18] [info] Run End Time: 10:18:18 AM
[2025-08-29 10:18:18] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:18:18] [info] Tool Version: LVR_2025.1
[2025-08-29 10:18:18] [info] Host Name: kuro-Workstation
[2025-08-29 10:18:18] [info] User Name: kuro
[2025-08-29 10:18:18] [info] Cores Used: 8
[2025-08-29 10:18:18] [info] Memory Utilized: 30.48 MB / 62.569698333740234 GB

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Top Cell Match
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Layout Top Cell: gcd
[2025-08-29 10:18:18] [info] Schematic Top Cell: gcd
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Netlist Statistics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Metric | Layout | Schematic |
[2025-08-29 10:18:18] [info] |-----|-----|-----|
[2025-08-29 10:18:18] [info] | Total Nets | 485 | 519 |
[2025-08-29 10:18:18] [info] | Total Instances | 4642 | 428 |
[2025-08-29 10:18:18] [info] | Total Pins | 4999 | 2165 |
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Pin to Net Mapping Percentage
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Total Schematic Instances: 428
[2025-08-29 10:18:18] [info] Matched Instances: 392
[2025-08-29 10:18:18] [info] Match Percentage: 91.59%

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Short and Open Checks
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Short Circuits: None Detected
[2025-08-29 10:18:18] [info] Open Circuits: Open Detected

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Performance Metrics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Stage | Time Taken |
[2025-08-29 10:18:18] [info] |-----|-----|
[2025-08-29 10:18:18] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Additional Details
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:18:18] [info] Hierarchical Cells: Flattened
[2025-08-29 10:18:18] [info] Database Format: GDSII
[2025-08-29 10:18:18] [info] Verification Mode: Full Check
[2025-08-29 10:18:18] [info] Error Reporting: Enabled

[2025-08-29 10:18:18] [info] -----

```

```

[2025-08-29 10:18:18] [info]                Type of Errors | Count
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] DB_WARN -> 1
[2025-08-29 10:18:18] [info] DB_WARN003 -> 24
[2025-08-29 10:18:18] [info] VERI_WARN012 -> 41
[2025-08-29 10:18:18] [info] LVS_ERR018 -> 1
[2025-08-29 10:18:18] [info] LVS_ERR019 -> 33
[2025-08-29 10:18:18] [info] LVS_ERR003 -> 31
[2025-08-29 10:18:18] [info] ERC_ERR003 -> 31
[2025-08-29 10:18:18] [info] LVS_ERR025 -> 2
[2025-08-29 10:18:18] [info] ERC_ERR008 -> 2
[2025-08-29 10:18:18] [info] LVS_ERR005 -> 36
[2025-08-29 10:18:18] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]                Summary
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] LVS Status:                PASSED
[2025-08-29 10:18:18] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:18:18] [info] Short Circuits:           None Detected
[2025-08-29 10:18:18] [info] Open Circuits:            Open Detected
[2025-08-29 10:18:18] [info] Unconnected Pins:         133
[2025-08-29 10:18:18] [info] Total Errors:              137
[2025-08-29 10:18:18] [info] Total Warnings:            66
[2025-08-29 10:18:18] [info] Critical Issues:          None

```

```

[2025-08-29 10:18:18] [info] =====
[2025-08-29 10:18:18] [info]           Layout Versus Schematic Report
[2025-08-29 10:18:18] [info] =====

[2025-08-29 10:18:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:18] [info] Run Start Time:      10:18:18 AM
[2025-08-29 10:18:18] [info] Run End Time:        10:18:18 AM
[2025-08-29 10:18:18] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:18:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:18] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:18] [info] User Name:           kuro
[2025-08-29 10:18:18] [info] Cores Used:          8
[2025-08-29 10:18:18] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]           Top Cell Match
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Layout Top Cell:     gcd
[2025-08-29 10:18:18] [info] Schematic Top Cell:  gcd
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]           Netlist Statistics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:18] [info] |-----|-----|-----|
[2025-08-29 10:18:18] [info] | Total Nets             | 482         | 516         |
[2025-08-29 10:18:18] [info] | Total Instances        | 4922        | 427         |
[2025-08-29 10:18:18] [info] | Total Pins             | 5189        | 2161        |
[2025-08-29 10:18:18] [info] |-----|-----|-----|
[2025-08-29 10:18:18] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Total Schematic Instances:    426
[2025-08-29 10:18:18] [info] Matched Instances:           391
[2025-08-29 10:18:18] [info] Match Percentage: 91.78%

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]           Short and Open Checks
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Short Circuits:      None Detected
[2025-08-29 10:18:18] [info] Open Circuits:       None Detected

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]           Performance Metrics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Stage                | Time Taken |
[2025-08-29 10:18:18] [info] |-----|-----|
[2025-08-29 10:18:18] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]           Additional Details
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:18:18] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:18:18] [info] Database Format:       GDSII
[2025-08-29 10:18:18] [info] Verification Mode:    Full Check
[2025-08-29 10:18:18] [info] Error Reporting:      Enabled

[2025-08-29 10:18:18] [info] -----

```

```

[2025-08-29 10:18:18] [info]                                Type of Errors | Count
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] DB_WARN -> 1
[2025-08-29 10:18:18] [info] DB_WARN003 -> 34
[2025-08-29 10:18:18] [info] VERI_WARN012 -> 40
[2025-08-29 10:18:18] [info] LVS_ERR019 -> 34
[2025-08-29 10:18:18] [info] LVS_ERR003 -> 32
[2025-08-29 10:18:18] [info] ERC_ERR003 -> 32
[2025-08-29 10:18:18] [info] LVS_ERR025 -> 2
[2025-08-29 10:18:18] [info] ERC_ERR008 -> 2
[2025-08-29 10:18:18] [info] LVS_ERR020 -> 1
[2025-08-29 10:18:18] [info] LVS_ERR005 -> 35
[2025-08-29 10:18:18] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]                                Summary
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] LVS Status:                PASSED
[2025-08-29 10:18:18] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:18:18] [info] Short Circuits:           None Detected
[2025-08-29 10:18:18] [info] Open Circuits:           None Detected
[2025-08-29 10:18:18] [info] Unconnected Pins:         134
[2025-08-29 10:18:18] [info] Total Errors:             139
[2025-08-29 10:18:18] [info] Total Warnings:           75
[2025-08-29 10:18:18] [info] Critical Issues:          None

```

```

[2025-08-29 10:18:18] [info] =====
[2025-08-29 10:18:18] [info]             Layout Versus Schematic Report
[2025-08-29 10:18:18] [info] =====

[2025-08-29 10:18:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:18] [info] Run Start Time:      10:18:18 AM
[2025-08-29 10:18:18] [info] Run End Time:        10:18:18 AM
[2025-08-29 10:18:18] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:18:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:18] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:18] [info] User Name:           kuro
[2025-08-29 10:18:18] [info] Cores Used:          8
[2025-08-29 10:18:18] [info] Memory Utilized:     30.44 MB / 62.569698333740234 GB

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]             Top Cell Match
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Layout Top Cell:     gcd
[2025-08-29 10:18:18] [info] Schematic Top Cell:  gcd
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]             Netlist Statistics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:18] [info] |-----|-----|-----|
[2025-08-29 10:18:18] [info] | Total Nets             | 489         | 523         |
[2025-08-29 10:18:18] [info] | Total Instances        | 4681        | 427         |
[2025-08-29 10:18:18] [info] | Total Pins             | 4941        | 2165        |
[2025-08-29 10:18:18] [info] |-----|-----|-----|
[2025-08-29 10:18:18] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Total Schematic Instances:    427
[2025-08-29 10:18:18] [info] Matched Instances:           389
[2025-08-29 10:18:18] [info] Match Percentage: 91.10%

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]             Short and Open Checks
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Short Circuits:      None Detected
[2025-08-29 10:18:18] [info] Open Circuits:       None Detected

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]             Performance Metrics
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] | Stage                | Time Taken |
[2025-08-29 10:18:18] [info] |-----|-----|
[2025-08-29 10:18:18] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:18:18] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]             Additional Details
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:18:18] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:18:18] [info] Database Format:       GDSII
[2025-08-29 10:18:18] [info] Verification Mode:    Full Check
[2025-08-29 10:18:18] [info] Error Reporting:      Enabled

[2025-08-29 10:18:18] [info] -----

```

```

[2025-08-29 10:18:18] [info]                                     Type of Errors | Count
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] DB_WARN -> 1
[2025-08-29 10:18:18] [info] DB_WARN003 -> 26
[2025-08-29 10:18:18] [info] VERI_WARN012 -> 39
[2025-08-29 10:18:18] [info] LVS_ERR019 -> 38
[2025-08-29 10:18:18] [info] LVS_ERR003 -> 36
[2025-08-29 10:18:18] [info] ERC_ERR003 -> 36
[2025-08-29 10:18:18] [info] LVS_ERR025 -> 2
[2025-08-29 10:18:18] [info] ERC_ERR008 -> 2
[2025-08-29 10:18:18] [info] LVS_ERR005 -> 38
[2025-08-29 10:18:18] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info]                                     Summary
[2025-08-29 10:18:18] [info] -----
[2025-08-29 10:18:18] [info] LVS Status: PASSED
[2025-08-29 10:18:18] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:18:18] [info] Short Circuits: None Detected
[2025-08-29 10:18:18] [info] Open Circuits: None Detected
[2025-08-29 10:18:18] [info] Unconnected Pins: 138
[2025-08-29 10:18:18] [info] Total Errors: 153
[2025-08-29 10:18:18] [info] Total Warnings: 66
[2025-08-29 10:18:18] [info] Critical Issues: None

```

```

[2025-08-29 10:18:56] [info] =====
[2025-08-29 10:18:56] [info]             Layout Versus Schematic Report
[2025-08-29 10:18:56] [info] =====

[2025-08-29 10:18:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:18:56] [info] Run Start Time:      10:18:48 AM
[2025-08-29 10:18:56] [info] Run End Time:        10:18:56 AM
[2025-08-29 10:18:56] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:18:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:18:56] [info] Host Name:           kuro-Workstation
[2025-08-29 10:18:56] [info] User Name:           kuro
[2025-08-29 10:18:56] [info] Cores Used:          8
[2025-08-29 10:18:56] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]             Top Cell Match
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:18:56] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]             Netlist Statistics
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:18:56] [info] |-----|-----|-----|
[2025-08-29 10:18:56] [info] | Total Nets             | 20853       | 21678       |
[2025-08-29 10:18:56] [info] | Total Instances        | 235969      | 18896       |
[2025-08-29 10:18:56] [info] | Total Pins             | 219487      | 104536      |
[2025-08-29 10:18:56] [info] |-----|-----|-----|
[2025-08-29 10:18:56] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] Total Schematic Instances: 18895
[2025-08-29 10:18:56] [info] Matched Instances:        17934
[2025-08-29 10:18:56] [info] Match Percentage: 94.91%

[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]             Short and Open Checks
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] Short Circuits:        None Detected
[2025-08-29 10:18:56] [info] Open Circuits:         None Detected

[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]             Performance Metrics
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] | Stage                  | Time Taken |
[2025-08-29 10:18:56] [info] |-----|-----|
[2025-08-29 10:18:56] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:18:56] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:18:56] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:18:56] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]             Additional Details
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:18:56] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:18:56] [info] Database Format:         GDSII
[2025-08-29 10:18:56] [info] Verification Mode:      Full Check
[2025-08-29 10:18:56] [info] Error Reporting:        Enabled

[2025-08-29 10:18:56] [info] -----

```

```

[2025-08-29 10:18:56] [info]                                Type of Errors | Count
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] DB_WARN -> 1
[2025-08-29 10:18:56] [info] DB_WARN003 -> 85
[2025-08-29 10:18:56] [info] VERI_WARN012 -> 828
[2025-08-29 10:18:56] [info] LVS_ERR019 -> 903
[2025-08-29 10:18:56] [info] LVS_ERR003 -> 894
[2025-08-29 10:18:56] [info] ERC_ERR003 -> 894
[2025-08-29 10:18:56] [info] LVS_ERR025 -> 1
[2025-08-29 10:18:56] [info] ERC_ERR008 -> 1
[2025-08-29 10:18:56] [info] LVS_ERR020 -> 1
[2025-08-29 10:18:56] [info] LVS_ERR005 -> 961
[2025-08-29 10:18:56] [info] LVS_ERR030 -> 1
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info]                                Summary
[2025-08-29 10:18:56] [info] -----
[2025-08-29 10:18:56] [info] LVS Status:                PASSED
[2025-08-29 10:18:56] [info] Instance Match Percentage: 94.91%
[2025-08-29 10:18:56] [info] Short Circuits:           None Detected
[2025-08-29 10:18:56] [info] Open Circuits:           None Detected
[2025-08-29 10:18:56] [info] Unconnected Pins:         1003
[2025-08-29 10:18:56] [info] Total Errors:             3656
[2025-08-29 10:18:56] [info] Total Warnings:          914
[2025-08-29 10:18:56] [info] Critical Issues:         None

```

```

[2025-09-02 05:57:39] [info] =====
[2025-09-02 05:57:39] [info]             Layout Versus Schematic Report
[2025-09-02 05:57:39] [info] =====

[2025-09-02 05:57:39] [info] Report Generated:    2025-09-02
[2025-09-02 05:57:39] [info] Run Start Time:      05:57:30 AM
[2025-09-02 05:57:39] [info] Run End Time:        05:57:39 AM
[2025-09-02 05:57:39] [info] Time Taken:          0 minutes 11 seconds

[2025-09-02 05:57:39] [info] Tool Version:        LVR_2025.1
[2025-09-02 05:57:39] [info] Host Name:           kuro-Workstation
[2025-09-02 05:57:39] [info] User Name:           kuro
[2025-09-02 05:57:39] [info] Cores Used:          8
[2025-09-02 05:57:39] [info] Memory Utilized:     1601.60 MB / 62.569698333740234 GB

[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]             Top Cell Match
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] Layout Top Cell:     ibex_core
[2025-09-02 05:57:39] [info] Schematic Top Cell:  ibex_core
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]             Netlist Statistics
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] | Metric                | Layout      | Schematic   |
[2025-09-02 05:57:39] [info] |-----|-----|-----|
[2025-09-02 05:57:39] [info] | Total Nets             | 20853       | 21678       |
[2025-09-02 05:57:39] [info] | Total Instances        | 245499      | 18933       |
[2025-09-02 05:57:39] [info] | Total Pins             | 230379      | 104624      |
[2025-09-02 05:57:39] [info] |-----|-----|-----|
[2025-09-02 05:57:39] [info]             Pin to Net Mapping Percentage
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] Total Schematic Instances: 18933
[2025-09-02 05:57:39] [info] Matched Instances:        13384
[2025-09-02 05:57:39] [info] Match Percentage: 70.69%

[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]             Short and Open Checks
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] Short Circuits:        None Detected
[2025-09-02 05:57:39] [info] Open Circuits:         None Detected

[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]             Performance Metrics
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] | Stage                | Time Taken |
[2025-09-02 05:57:39] [info] |-----|-----|
[2025-09-02 05:57:39] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-02 05:57:39] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-09-02 05:57:39] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-02 05:57:39] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]             Additional Details
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] Technology Node:       Nangate45 (45nm)
[2025-09-02 05:57:39] [info] Hierarchical Cells:    Flattened
[2025-09-02 05:57:39] [info] Database Format:        GDSII
[2025-09-02 05:57:39] [info] Verification Mode:     Full Check
[2025-09-02 05:57:39] [info] Error Reporting:       Enabled

[2025-09-02 05:57:39] [info] -----

```

```

[2025-09-02 05:57:39] [info]                                Type of Errors | Count
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] DB_WARN -> 1
[2025-09-02 05:57:39] [info] DB_WARN003 -> 85
[2025-09-02 05:57:39] [info] VERI_WARN012 -> 828
[2025-09-02 05:57:39] [info] LVS_ERR019 -> 893
[2025-09-02 05:57:39] [info] LVS_ERR003 -> 883
[2025-09-02 05:57:39] [info] ERC_ERR003 -> 883
[2025-09-02 05:57:39] [info] LVS_ERR025 -> 2
[2025-09-02 05:57:39] [info] ERC_ERR008 -> 2
[2025-09-02 05:57:39] [info] LVS_ERR005 -> 5549
[2025-09-02 05:57:39] [info] LVS_ERR030 -> 1
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info]                                Summary
[2025-09-02 05:57:39] [info] -----
[2025-09-02 05:57:39] [info] LVS Status:                PASSED
[2025-09-02 05:57:39] [info] Instance Match Percentage: 70.69%
[2025-09-02 05:57:39] [info] Short Circuits:           None Detected
[2025-09-02 05:57:39] [info] Open Circuits:            None Detected
[2025-09-02 05:57:39] [info] Unconnected Pins:         993
[2025-09-02 05:57:39] [info] Total Errors:              8213
[2025-09-02 05:57:39] [info] Total Warnings:            914
[2025-09-02 05:57:39] [info] Critical Issues:           None

```

```

[2025-08-29 10:19:12] [info] =====
[2025-08-29 10:19:12] [info] Layout Versus Schematic Report
[2025-08-29 10:19:12] [info] =====

[2025-08-29 10:19:12] [info] Report Generated: 2025-08-29
[2025-08-29 10:19:12] [info] Run Start Time: 10:19:04 AM
[2025-08-29 10:19:12] [info] Run End Time: 10:19:12 AM
[2025-08-29 10:19:12] [info] Time Taken: 0 minutes 10 seconds

[2025-08-29 10:19:12] [info] Tool Version: LVR_2025.1
[2025-08-29 10:19:12] [info] Host Name: kuro-Workstation
[2025-08-29 10:19:12] [info] User Name: kuro
[2025-08-29 10:19:12] [info] Cores Used: 8
[2025-08-29 10:19:12] [info] Memory Utilized: 1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Top Cell Match
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Layout Top Cell: ibex_core
[2025-08-29 10:19:12] [info] Schematic Top Cell: ibex_core
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Netlist Statistics
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] | Metric | Layout | Schematic |
[2025-08-29 10:19:12] [info] |-----|-----|-----|
[2025-08-29 10:19:12] [info] | Total Nets | 20848 | 21673 |
[2025-08-29 10:19:12] [info] | Total Instances | 231162 | 18863 |
[2025-08-29 10:19:12] [info] | Total Pins | 210404 | 104404 |
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Pin to Net Mapping Percentage
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Total Schematic Instances: 18863
[2025-08-29 10:19:12] [info] Matched Instances: 17920
[2025-08-29 10:19:12] [info] Match Percentage: 95.00%

[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Short and Open Checks
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Short Circuits: None Detected
[2025-08-29 10:19:12] [info] Open Circuits: None Detected

[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Performance Metrics
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] | Stage | Time Taken |
[2025-08-29 10:19:12] [info] |-----|-----|
[2025-08-29 10:19:12] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:19:12] [info] | Connectivity Extraction | 0 minutes 5 seconds |
[2025-08-29 10:19:12] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:19:12] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Additional Details
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:19:12] [info] Hierarchical Cells: Flattened
[2025-08-29 10:19:12] [info] Database Format: GDSII
[2025-08-29 10:19:12] [info] Verification Mode: Full Check
[2025-08-29 10:19:12] [info] Error Reporting: Enabled

[2025-08-29 10:19:12] [info] -----

```

```

[2025-08-29 10:19:12] [info]                                Type of Errors | Count
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] DB_WARN -> 1
[2025-08-29 10:19:12] [info] DB_WARN003 -> 98
[2025-08-29 10:19:12] [info] VERI_WARN012 -> 828
[2025-08-29 10:19:12] [info] LVS_ERR019 -> 880
[2025-08-29 10:19:12] [info] LVS_ERR003 -> 871
[2025-08-29 10:19:12] [info] ERC_ERR003 -> 871
[2025-08-29 10:19:12] [info] LVS_ERR025 -> 1
[2025-08-29 10:19:12] [info] ERC_ERR008 -> 1
[2025-08-29 10:19:12] [info] LVS_ERR005 -> 943
[2025-08-29 10:19:12] [info] LVS_ERR030 -> 1
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info]                                Summary
[2025-08-29 10:19:12] [info] -----
[2025-08-29 10:19:12] [info] LVS Status:                PASSED
[2025-08-29 10:19:12] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:19:12] [info] Short Circuits:           None Detected
[2025-08-29 10:19:12] [info] Open Circuits:            None Detected
[2025-08-29 10:19:12] [info] Unconnected Pins:         980
[2025-08-29 10:19:12] [info] Total Errors:              3568
[2025-08-29 10:19:12] [info] Total Warnings:           927
[2025-08-29 10:19:12] [info] Critical Issues:          None

```

```

[2025-08-29 10:19:47] [info] =====
[2025-08-29 10:19:47] [info]           Layout Versus Schematic Report
[2025-08-29 10:19:47] [info] =====

[2025-08-29 10:19:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:19:47] [info] Run Start Time:      10:19:23 AM
[2025-08-29 10:19:47] [info] Run End Time:        10:19:46 AM
[2025-08-29 10:19:47] [info] Time Taken:          0 minutes 33 seconds

[2025-08-29 10:19:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:19:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:19:47] [info] User Name:           kuro
[2025-08-29 10:19:47] [info] Cores Used:          8
[2025-08-29 10:19:47] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info]           Top Cell Match
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:19:47] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info]           Netlist Statistics
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:19:47] [info] |-----|-----|-----|
[2025-08-29 10:19:47] [info] | Total Nets             | 69401       | 73466       |
[2025-08-29 10:19:47] [info] | Total Instances        | 625384      | 56662       |
[2025-08-29 10:19:47] [info] | Total Pins             | 660922      | 302058      |
[2025-08-29 10:19:47] [info] |-----|-----|-----|
[2025-08-29 10:19:47] [info]           Pin to Net Mapping Percentage
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] Total Schematic Instances: 56662
[2025-08-29 10:19:47] [info] Matched Instances:        52362
[2025-08-29 10:19:47] [info] Match Percentage: 92.41%

[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info]           Short and Open Checks
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] Short Circuits:        None Detected
[2025-08-29 10:19:47] [info] Open Circuits:         None Detected

[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info]           Performance Metrics
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] | Stage                | Time Taken |
[2025-08-29 10:19:47] [info] |-----|-----|
[2025-08-29 10:19:47] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:19:47] [info] | Connectivity Extraction | 0 minutes 18 seconds |
[2025-08-29 10:19:47] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:19:47] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info]           Additional Details
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:19:47] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:19:47] [info] Database Format:        GDSII
[2025-08-29 10:19:47] [info] Verification Mode:     Full Check
[2025-08-29 10:19:47] [info] Error Reporting:       Enabled

[2025-08-29 10:19:47] [info] -----

```

```
[2025-08-29 10:19:47] [info] Type of Errors | Count
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] DB_WARN -> 1
[2025-08-29 10:19:47] [info] DB_WARN003 -> 37
[2025-08-29 10:19:47] [info] VERI_WARN012 -> 4068
[2025-08-29 10:19:47] [info] LVS_ERR019 -> 4068
[2025-08-29 10:19:47] [info] LVS_ERR003 -> 4066
[2025-08-29 10:19:47] [info] ERC_ERR003 -> 4066
[2025-08-29 10:19:47] [info] LVS_ERR025 -> 2
[2025-08-29 10:19:47] [info] ERC_ERR008 -> 2
[2025-08-29 10:19:47] [info] LVS_ERR005 -> 4300
[2025-08-29 10:19:47] [info] LVS_ERR030 -> 1
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] Summary
[2025-08-29 10:19:47] [info] -----
[2025-08-29 10:19:47] [info] LVS Status: PASSED
[2025-08-29 10:19:47] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:19:47] [info] Short Circuits: None Detected
[2025-08-29 10:19:47] [info] Open Circuits: None Detected
[2025-08-29 10:19:47] [info] Unconnected Pins: 4168
[2025-08-29 10:19:47] [info] Total Errors: 16505
[2025-08-29 10:19:47] [info] Total Warnings: 4106
[2025-08-29 10:19:47] [info] Critical Issues: None
```

```

[2025-08-29 10:20:22] [info] =====
[2025-08-29 10:20:22] [info]             Layout Versus Schematic Report
[2025-08-29 10:20:22] [info] =====

[2025-08-29 10:20:22] [info] Report Generated:    2025-08-29
[2025-08-29 10:20:22] [info] Run Start Time:      10:19:58 AM
[2025-08-29 10:20:22] [info] Run End Time:        10:20:22 AM
[2025-08-29 10:20:22] [info] Time Taken:          0 minutes 34 seconds

[2025-08-29 10:20:22] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:20:22] [info] Host Name:           kuro-Workstation
[2025-08-29 10:20:22] [info] User Name:           kuro
[2025-08-29 10:20:22] [info] Cores Used:          8
[2025-08-29 10:20:22] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]             Top Cell Match
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:20:22] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]             Netlist Statistics
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:20:22] [info] |-----|-----|-----|
[2025-08-29 10:20:22] [info] | Total Nets             | 69389       | 73454       |
[2025-08-29 10:20:22] [info] | Total Instances        | 657399      | 56662       |
[2025-08-29 10:20:22] [info] | Total Pins             | 701572      | 302062      |
[2025-08-29 10:20:22] [info] |-----|-----|-----|
[2025-08-29 10:20:22] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] Total Schematic Instances:    56662
[2025-08-29 10:20:22] [info] Matched Instances:           52356
[2025-08-29 10:20:22] [info] Match Percentage: 92.40%

[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]             Short and Open Checks
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] Short Circuits:             None Detected
[2025-08-29 10:20:22] [info] Open Circuits:              Open Detected

[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]             Performance Metrics
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] | Stage                    | Time Taken |
[2025-08-29 10:20:22] [info] |-----|-----|
[2025-08-29 10:20:22] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-08-29 10:20:22] [info] | Connectivity Extraction   | 0 minutes 18 seconds |
[2025-08-29 10:20:22] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-08-29 10:20:22] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]             Additional Details
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] Technology Node:            Nangate45 (45nm)
[2025-08-29 10:20:22] [info] Hierarchical Cells:         Flattened
[2025-08-29 10:20:22] [info] Database Format:             GDSII
[2025-08-29 10:20:22] [info] Verification Mode:          Full Check
[2025-08-29 10:20:22] [info] Error Reporting:            Enabled

[2025-08-29 10:20:22] [info] -----

```

```

[2025-08-29 10:20:22] [info]                Type of Errors | Count
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] DB_WARN -> 1
[2025-08-29 10:20:22] [info] DB_WARN003 -> 39
[2025-08-29 10:20:22] [info] VERI_WARN012 -> 4068
[2025-08-29 10:20:22] [info] LVS_ERR018 -> 1
[2025-08-29 10:20:22] [info] LVS_ERR019 -> 4055
[2025-08-29 10:20:22] [info] LVS_ERR003 -> 4054
[2025-08-29 10:20:22] [info] ERC_ERR003 -> 4054
[2025-08-29 10:20:22] [info] LVS_ERR025 -> 1
[2025-08-29 10:20:22] [info] ERC_ERR008 -> 1
[2025-08-29 10:20:22] [info] LVS_ERR005 -> 4306
[2025-08-29 10:20:22] [info] LVS_ERR030 -> 1
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info]                Summary
[2025-08-29 10:20:22] [info] -----
[2025-08-29 10:20:22] [info] LVS Status:                PASSED
[2025-08-29 10:20:22] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:20:22] [info] Short Circuits:            None Detected
[2025-08-29 10:20:22] [info] Open Circuits:             Open Detected
[2025-08-29 10:20:22] [info] Unconnected Pins:          4155
[2025-08-29 10:20:22] [info] Total Errors:               16473
[2025-08-29 10:20:22] [info] Total Warnings:             4108
[2025-08-29 10:20:22] [info] Critical Issues:           None

```

```

[2025-08-29 10:20:56] [info] =====
[2025-08-29 10:20:56] [info]             Layout Versus Schematic Report
[2025-08-29 10:20:56] [info] =====

[2025-08-29 10:20:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:20:56] [info] Run Start Time:      10:20:33 AM
[2025-08-29 10:20:56] [info] Run End Time:        10:20:56 AM
[2025-08-29 10:20:56] [info] Time Taken:          0 minutes 33 seconds

[2025-08-29 10:20:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:20:56] [info] Host Name:           kuro-Workstation
[2025-08-29 10:20:56] [info] User Name:           kuro
[2025-08-29 10:20:56] [info] Cores Used:          8
[2025-08-29 10:20:56] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]             Top Cell Match
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:20:56] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]             Netlist Statistics
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] | Metric                | Layout      | Schematic   |
[2025-08-29 10:20:56] [info] |-----|-----|-----|
[2025-08-29 10:20:56] [info] | Total Nets            | 69382       | 73447       |
[2025-08-29 10:20:56] [info] | Total Instances       | 607454      | 56666       |
[2025-08-29 10:20:56] [info] | Total Pins            | 633023      | 302074      |
[2025-08-29 10:20:56] [info] |-----|-----|-----|
[2025-08-29 10:20:56] [info]             Pin to Net Mapping Percentage
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] Total Schematic Instances: 56665
[2025-08-29 10:20:56] [info] Matched Instances:      52360
[2025-08-29 10:20:56] [info] Match Percentage: 92.40%

[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]             Short and Open Checks
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] Short Circuits:       None Detected
[2025-08-29 10:20:56] [info] Open Circuits:        Open Detected

[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]             Performance Metrics
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] | Stage                | Time Taken |
[2025-08-29 10:20:56] [info] |-----|-----|
[2025-08-29 10:20:56] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-08-29 10:20:56] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-29 10:20:56] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-08-29 10:20:56] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]             Additional Details
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:20:56] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:20:56] [info] Database Format:        GDSII
[2025-08-29 10:20:56] [info] Verification Mode:     Full Check
[2025-08-29 10:20:56] [info] Error Reporting:       Enabled

[2025-08-29 10:20:56] [info] -----

```

```

[2025-08-29 10:20:56] [info]                                     Type of Errors | Count
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] DB_WARN -> 1
[2025-08-29 10:20:56] [info] DB_WARN003 -> 34
[2025-08-29 10:20:56] [info] VERI_WARN012 -> 4068
[2025-08-29 10:20:56] [info] LVS_ERR018 -> 1
[2025-08-29 10:20:56] [info] LVS_ERR019 -> 4068
[2025-08-29 10:20:56] [info] LVS_ERR003 -> 4067
[2025-08-29 10:20:56] [info] ERC_ERR003 -> 4067
[2025-08-29 10:20:56] [info] LVS_ERR025 -> 1
[2025-08-29 10:20:56] [info] ERC_ERR008 -> 1
[2025-08-29 10:20:56] [info] LVS_ERR020 -> 1
[2025-08-29 10:20:56] [info] LVS_ERR005 -> 4305
[2025-08-29 10:20:56] [info] LVS_ERR030 -> 1
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info]                                     Summary
[2025-08-29 10:20:56] [info] -----
[2025-08-29 10:20:56] [info] LVS Status:                PASSED
[2025-08-29 10:20:56] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:20:56] [info] Short Circuits:            None Detected
[2025-08-29 10:20:56] [info] Open Circuits:             Open Detected
[2025-08-29 10:20:56] [info] Unconnected Pins:          4168
[2025-08-29 10:20:56] [info] Total Errors:               16512
[2025-08-29 10:20:56] [info] Total Warnings:             4103
[2025-08-29 10:20:56] [info] Critical Issues:            None

```

```

[2025-09-06 10:26:49] [info] =====
[2025-09-06 10:26:49] [info]             Layout Versus Schematic Report
[2025-09-06 10:26:49] [info] =====

[2025-09-06 10:26:49] [info] Report Generated:    2025-09-06
[2025-09-06 10:26:49] [info] Run Start Time:      10:25:34 AM
[2025-09-06 10:26:49] [info] Run End Time:        10:26:49 AM
[2025-09-06 10:26:49] [info] Time Taken:          1 minutes 21 seconds

[2025-09-06 10:26:49] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:26:49] [info] Host Name:           kuro-Workstation
[2025-09-06 10:26:49] [info] User Name:           kuro
[2025-09-06 10:26:49] [info] Cores Used:          16
[2025-09-06 10:26:49] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]             Top Cell Match
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 10:26:49] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]             Netlist Statistics
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:26:49] [info] |-----|-----|-----|
[2025-09-06 10:26:49] [info] | Total Nets             | 25673       | 25678       |
[2025-09-06 10:26:49] [info] | Total Instances        | 353042      | 25409       |
[2025-09-06 10:26:49] [info] | Total Pins             | 300090      | 183701      |
[2025-09-06 10:26:49] [info] |-----|-----|-----|
[2025-09-06 10:26:49] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] Total Schematic Instances:    25409
[2025-09-06 10:26:49] [info] Matched Instances:           25406
[2025-09-06 10:26:49] [info] Match Percentage: 99.99%

[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]             Short and Open Checks
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] Short Circuits:             None Detected
[2025-09-06 10:26:49] [info] Open Circuits:              None Detected

[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]             Performance Metrics
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] | Stage                    | Time Taken |
[2025-09-06 10:26:49] [info] |-----|-----|
[2025-09-06 10:26:49] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:26:49] [info] | Connectivity Extraction   | 1 minutes 11 seconds |
[2025-09-06 10:26:49] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:26:49] [info] | Report Generation        | 0 minutes 0 seconds |

[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]             Additional Details
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:26:49] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:26:49] [info] Database Format:            GDSII
[2025-09-06 10:26:49] [info] Verification Mode:         Full Check
[2025-09-06 10:26:49] [info] Error Reporting:           Enabled

[2025-09-06 10:26:49] [info] -----

```

```
[2025-09-06 10:26:49] [info]                                Type of Errors | Count
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] DB_WARN -> 1
[2025-09-06 10:26:49] [info] LRF_ERROR01 -> 14
[2025-09-06 10:26:49] [info] DB_WARN002 -> 144
[2025-09-06 10:26:49] [info] DB_WARN003 -> 137
[2025-09-06 10:26:49] [info] VERI_WARN012 -> 41
[2025-09-06 10:26:49] [info] LVS_ERROR19 -> 18
[2025-09-06 10:26:49] [info] LVS_ERROR03 -> 18
[2025-09-06 10:26:49] [info] ERC_ERROR03 -> 18
[2025-09-06 10:26:49] [info] LVS_ERROR05 -> 3
[2025-09-06 10:26:49] [info] LVS_ERROR30 -> 1
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info]                                Summary
[2025-09-06 10:26:49] [info] -----
[2025-09-06 10:26:49] [info] LVS Status:                PASSED
[2025-09-06 10:26:49] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:26:49] [info] Short Circuits:           None Detected
[2025-09-06 10:26:49] [info] Open Circuits:            None Detected
[2025-09-06 10:26:49] [info] Unconnected Pins:         118
[2025-09-06 10:26:49] [info] Total Errors:              72
[2025-09-06 10:26:49] [info] Total Warnings:            323
[2025-09-06 10:26:49] [info] Critical Issues:          None
```

```

[2025-09-06 10:28:57] [info] =====
[2025-09-06 10:28:57] [info]             Layout Versus Schematic Report
[2025-09-06 10:28:57] [info] =====

[2025-09-06 10:28:57] [info] Report Generated:    2025-09-06
[2025-09-06 10:28:57] [info] Run Start Time:      10:26:59 AM
[2025-09-06 10:28:57] [info] Run End Time:        10:28:57 AM
[2025-09-06 10:28:57] [info] Time Taken:          2 minutes 5 seconds

[2025-09-06 10:28:57] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:28:57] [info] Host Name:           kuro-Workstation
[2025-09-06 10:28:57] [info] User Name:           kuro
[2025-09-06 10:28:57] [info] Cores Used:          16
[2025-09-06 10:28:57] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]             Top Cell Match
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 10:28:57] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]             Netlist Statistics
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:28:57] [info] |-----|-----|-----|
[2025-09-06 10:28:57] [info] | Total Nets             | 25660       | 25665       |
[2025-09-06 10:28:57] [info] | Total Instances        | 423815      | 25396       |
[2025-09-06 10:28:57] [info] | Total Pins             | 314679      | 183623      |
[2025-09-06 10:28:57] [info] |-----|-----|-----|
[2025-09-06 10:28:57] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] Total Schematic Instances:    25396
[2025-09-06 10:28:57] [info] Matched Instances:           25393
[2025-09-06 10:28:57] [info] Match Percentage: 99.99%

[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]             Short and Open Checks
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] Short Circuits:      None Detected
[2025-09-06 10:28:57] [info] Open Circuits:       None Detected

[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]             Performance Metrics
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] | Stage                | Time Taken |
[2025-09-06 10:28:57] [info] |-----|-----|
[2025-09-06 10:28:57] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 10:28:57] [info] | Connectivity Extraction | 1 minutes 54 seconds |
[2025-09-06 10:28:57] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 10:28:57] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]             Additional Details
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:28:57] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:28:57] [info] Database Format:       GDSII
[2025-09-06 10:28:57] [info] Verification Mode:    Full Check
[2025-09-06 10:28:57] [info] Error Reporting:      Enabled

[2025-09-06 10:28:57] [info] -----

```

```
[2025-09-06 10:28:57] [info]                                Type of Errors | Count
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] DB_WARN -> 1
[2025-09-06 10:28:57] [info] LRF_ERROR01 -> 14
[2025-09-06 10:28:57] [info] DB_WARN002 -> 141
[2025-09-06 10:28:57] [info] DB_WARN003 -> 135
[2025-09-06 10:28:57] [info] VERI_WARN012 -> 39
[2025-09-06 10:28:57] [info] LVS_ERROR19 -> 12
[2025-09-06 10:28:57] [info] LVS_ERROR03 -> 12
[2025-09-06 10:28:57] [info] ERC_ERROR03 -> 12
[2025-09-06 10:28:57] [info] LVS_ERROR05 -> 3
[2025-09-06 10:28:57] [info] LVS_ERROR30 -> 1
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info]                                Summary
[2025-09-06 10:28:57] [info] -----
[2025-09-06 10:28:57] [info] LVS Status:                PASSED
[2025-09-06 10:28:57] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:28:57] [info] Short Circuits:            None Detected
[2025-09-06 10:28:57] [info] Open Circuits:             None Detected
[2025-09-06 10:28:57] [info] Unconnected Pins:          112
[2025-09-06 10:28:57] [info] Total Errors:               54
[2025-09-06 10:28:57] [info] Total Warnings:             316
[2025-09-06 10:28:57] [info] Critical Issues:           None
```

```

[2025-09-06 10:30:12] [info] =====
[2025-09-06 10:30:12] [info]             Layout Versus Schematic Report
[2025-09-06 10:30:12] [info] =====

[2025-09-06 10:30:12] [info] Report Generated:    2025-09-06
[2025-09-06 10:30:12] [info] Run Start Time:      10:29:05 AM
[2025-09-06 10:30:12] [info] Run End Time:        10:30:12 AM
[2025-09-06 10:30:12] [info] Time Taken:          1 minutes 12 seconds

[2025-09-06 10:30:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:30:12] [info] Host Name:           kuro-Workstation
[2025-09-06 10:30:12] [info] User Name:           kuro
[2025-09-06 10:30:12] [info] Cores Used:          16
[2025-09-06 10:30:12] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]             Top Cell Match
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 10:30:12] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]             Netlist Statistics
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:30:12] [info] |-----|-----|-----|
[2025-09-06 10:30:12] [info] | Total Nets             | 25146       | 25151       |
[2025-09-06 10:30:12] [info] | Total Instances        | 318921      | 24882       |
[2025-09-06 10:30:12] [info] | Total Pins             | 285259      | 180539      |
[2025-09-06 10:30:12] [info] |-----|-----|-----|
[2025-09-06 10:30:12] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] Total Schematic Instances:    24882
[2025-09-06 10:30:12] [info] Matched Instances:           24879
[2025-09-06 10:30:12] [info] Match Percentage: 99.99%

[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]             Short and Open Checks
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] Short Circuits:             None Detected
[2025-09-06 10:30:12] [info] Open Circuits:              None Detected

[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]             Performance Metrics
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] | Stage                    | Time Taken |
[2025-09-06 10:30:12] [info] |-----|-----|
[2025-09-06 10:30:12] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:30:12] [info] | Connectivity Extraction   | 1 minutes 4 seconds |
[2025-09-06 10:30:12] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:30:12] [info] | Report Generation        | 0 minutes 0 seconds |

[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]             Additional Details
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:30:12] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:30:12] [info] Database Format:            GDSII
[2025-09-06 10:30:12] [info] Verification Mode:         Full Check
[2025-09-06 10:30:12] [info] Error Reporting:           Enabled

[2025-09-06 10:30:12] [info] -----

```

```

[2025-09-06 10:30:12] [info]                                Type of Errors | Count
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] DB_WARN -> 1
[2025-09-06 10:30:12] [info] LRF_ERR001 -> 14
[2025-09-06 10:30:12] [info] DB_WARN002 -> 138
[2025-09-06 10:30:12] [info] DB_WARN003 -> 132
[2025-09-06 10:30:12] [info] VERI_WARN012 -> 36
[2025-09-06 10:30:12] [info] LVS_ERR019 -> 12
[2025-09-06 10:30:12] [info] LVS_ERR003 -> 12
[2025-09-06 10:30:12] [info] ERC_ERR003 -> 12
[2025-09-06 10:30:12] [info] LVS_ERR005 -> 3
[2025-09-06 10:30:12] [info] LVS_ERR030 -> 1
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info]                                Summary
[2025-09-06 10:30:12] [info] -----
[2025-09-06 10:30:12] [info] LVS Status:                PASSED
[2025-09-06 10:30:12] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:30:12] [info] Short Circuits:           None Detected
[2025-09-06 10:30:12] [info] Open Circuits:            None Detected
[2025-09-06 10:30:12] [info] Unconnected Pins:         112
[2025-09-06 10:30:12] [info] Total Errors:              54
[2025-09-06 10:30:12] [info] Total Warnings:            307
[2025-09-06 10:30:12] [info] Critical Issues:          None

```

```

[2025-09-06 10:25:27] [info] =====
[2025-09-06 10:25:27] [info]             Layout Versus Schematic Report
[2025-09-06 10:25:27] [info] =====

[2025-09-06 10:25:27] [info] Report Generated:    2025-09-06
[2025-09-06 10:25:27] [info] Run Start Time:      10:25:27 AM
[2025-09-06 10:25:27] [info] Run End Time:        10:25:27 AM
[2025-09-06 10:25:27] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 10:25:27] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:25:27] [info] Host Name:           kuro-Workstation
[2025-09-06 10:25:27] [info] User Name:           kuro
[2025-09-06 10:25:27] [info] Cores Used:          16
[2025-09-06 10:25:27] [info] Memory Utilized:     38.46 MB / 62.569705963134766 GB

[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]             Top Cell Match
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 10:25:27] [info] Schematic Top Cell:  gcd1_sky130hd
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]             Netlist Statistics
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:25:27] [info] |-----|-----|-----|
[2025-09-06 10:25:27] [info] | Total Nets             | 389         | 391         |
[2025-09-06 10:25:27] [info] | Total Instances        | 4312        | 351         |
[2025-09-06 10:25:27] [info] | Total Pins             | 4063        | 2481        |
[2025-09-06 10:25:27] [info] |-----|-----|-----|
[2025-09-06 10:25:27] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] Total Schematic Instances:    351
[2025-09-06 10:25:27] [info] Matched Instances:           351
[2025-09-06 10:25:27] [info] Match Percentage: 100.00%

[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]             Short and Open Checks
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] Short Circuits:             None Detected
[2025-09-06 10:25:27] [info] Open Circuits:              None Detected

[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]             Performance Metrics
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] | Stage                    | Time Taken |
[2025-09-06 10:25:27] [info] |-----|-----|
[2025-09-06 10:25:27] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:25:27] [info] | Connectivity Extraction   | 0 minutes 0 seconds |
[2025-09-06 10:25:27] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:25:27] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]             Additional Details
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:25:27] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:25:27] [info] Database Format:            GDSII
[2025-09-06 10:25:27] [info] Verification Mode:         Full Check
[2025-09-06 10:25:27] [info] Error Reporting:           Enabled

[2025-09-06 10:25:27] [info] -----

```

```
[2025-09-06 10:25:27] [info]                Type of Errors | Count
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] DB_WARN -> 1
[2025-09-06 10:25:27] [info] LRF_ERR001 -> 14
[2025-09-06 10:25:27] [info] DB_WARN002 -> 58
[2025-09-06 10:25:27] [info] DB_WARN003 -> 55
[2025-09-06 10:25:27] [info] VERI_WARN012 -> 4
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info]                Summary
[2025-09-06 10:25:27] [info] -----
[2025-09-06 10:25:27] [info] LVS Status:                PASSED
[2025-09-06 10:25:27] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:25:27] [info] Short Circuits:           None Detected
[2025-09-06 10:25:27] [info] Open Circuits:            None Detected
[2025-09-06 10:25:27] [info] Unconnected Pins:         100
[2025-09-06 10:25:27] [info] Total Errors:              14
[2025-09-06 10:25:27] [info] Total Warnings:            118
[2025-09-06 10:25:27] [info] Critical Issues:          None
```

```

[2025-09-06 10:25:28] [info] =====
[2025-09-06 10:25:28] [info]             Layout Versus Schematic Report
[2025-09-06 10:25:28] [info] =====

[2025-09-06 10:25:28] [info] Report Generated:    2025-09-06
[2025-09-06 10:25:28] [info] Run Start Time:      10:25:27 AM
[2025-09-06 10:25:28] [info] Run End Time:        10:25:28 AM
[2025-09-06 10:25:28] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 10:25:28] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:25:28] [info] Host Name:           kuro-Workstation
[2025-09-06 10:25:28] [info] User Name:           kuro
[2025-09-06 10:25:28] [info] Cores Used:          16
[2025-09-06 10:25:28] [info] Memory Utilized:     43.01 MB / 62.569705963134766 GB

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Top Cell Match
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 10:25:28] [info] Schematic Top Cell:  gcd2_sky130hd
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Netlist Statistics
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:25:28] [info] |-----|-----|-----|
[2025-09-06 10:25:28] [info] | Total Nets             | 353         | 355         |
[2025-09-06 10:25:28] [info] | Total Instances        | 4768        | 315         |
[2025-09-06 10:25:28] [info] | Total Pins             | 3854        | 2265        |
[2025-09-06 10:25:28] [info] |-----|-----|-----|
[2025-09-06 10:25:28] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Total Schematic Instances:    315
[2025-09-06 10:25:28] [info] Matched Instances:           315
[2025-09-06 10:25:28] [info] Match Percentage: 100.00%

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Short and Open Checks
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Short Circuits:      None Detected
[2025-09-06 10:25:28] [info] Open Circuits:       None Detected

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Performance Metrics
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] | Stage                | Time Taken |
[2025-09-06 10:25:28] [info] |-----|-----|
[2025-09-06 10:25:28] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Additional Details
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:25:28] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:25:28] [info] Database Format:       GDSII
[2025-09-06 10:25:28] [info] Verification Mode:    Full Check
[2025-09-06 10:25:28] [info] Error Reporting:      Enabled

[2025-09-06 10:25:28] [info] -----

```

```
[2025-09-06 10:25:28] [info]                Type of Errors | Count
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] DB_WARN -> 1
[2025-09-06 10:25:28] [info] LRF_ERR001 -> 14
[2025-09-06 10:25:28] [info] DB_WARN002 -> 59
[2025-09-06 10:25:28] [info] DB_WARN003 -> 56
[2025-09-06 10:25:28] [info] VERI_WARN012 -> 5
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]                Summary
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] LVS Status:                PASSED
[2025-09-06 10:25:28] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:25:28] [info] Short Circuits:           None Detected
[2025-09-06 10:25:28] [info] Open Circuits:            None Detected
[2025-09-06 10:25:28] [info] Unconnected Pins:         100
[2025-09-06 10:25:28] [info] Total Errors:              14
[2025-09-06 10:25:28] [info] Total Warnings:            121
[2025-09-06 10:25:28] [info] Critical Issues:          None
```

```

[2025-09-06 10:25:28] [info] =====
[2025-09-06 10:25:28] [info]             Layout Versus Schematic Report
[2025-09-06 10:25:28] [info] =====

[2025-09-06 10:25:28] [info] Report Generated:    2025-09-06
[2025-09-06 10:25:28] [info] Run Start Time:      10:25:28 AM
[2025-09-06 10:25:28] [info] Run End Time:        10:25:28 AM
[2025-09-06 10:25:28] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 10:25:28] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:25:28] [info] Host Name:           kuro-Workstation
[2025-09-06 10:25:28] [info] User Name:           kuro
[2025-09-06 10:25:28] [info] Cores Used:          16
[2025-09-06 10:25:28] [info] Memory Utilized:     32.48 MB / 62.569705963134766 GB

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Top Cell Match
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 10:25:28] [info] Schematic Top Cell:  gcd3_sky130hd
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Netlist Statistics
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:25:28] [info] |-----|-----|-----|
[2025-09-06 10:25:28] [info] | Total Nets             | 360         | 362         |
[2025-09-06 10:25:28] [info] | Total Instances        | 3829        | 322         |
[2025-09-06 10:25:28] [info] | Total Pins             | 3692        | 2307        |
[2025-09-06 10:25:28] [info] |-----|-----|-----|
[2025-09-06 10:25:28] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Total Schematic Instances:    322
[2025-09-06 10:25:28] [info] Matched Instances:           322
[2025-09-06 10:25:28] [info] Match Percentage: 100.00%

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Short and Open Checks
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Short Circuits:      None Detected
[2025-09-06 10:25:28] [info] Open Circuits:       None Detected

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Performance Metrics
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] | Stage                | Time Taken |
[2025-09-06 10:25:28] [info] |-----|-----|
[2025-09-06 10:25:28] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 10:25:28] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]             Additional Details
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:25:28] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:25:28] [info] Database Format:       GDSII
[2025-09-06 10:25:28] [info] Verification Mode:    Full Check
[2025-09-06 10:25:28] [info] Error Reporting:      Enabled

[2025-09-06 10:25:28] [info] -----

```

```
[2025-09-06 10:25:28] [info]                Type of Errors | Count
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] DB_WARN -> 1
[2025-09-06 10:25:28] [info] LRF_ERR001 -> 14
[2025-09-06 10:25:28] [info] DB_WARN002 -> 59
[2025-09-06 10:25:28] [info] DB_WARN003 -> 56
[2025-09-06 10:25:28] [info] VERI_WARN012 -> 6
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info]                Summary
[2025-09-06 10:25:28] [info] -----
[2025-09-06 10:25:28] [info] LVS Status:                PASSED
[2025-09-06 10:25:28] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:25:28] [info] Short Circuits:           None Detected
[2025-09-06 10:25:28] [info] Open Circuits:            None Detected
[2025-09-06 10:25:28] [info] Unconnected Pins:         100
[2025-09-06 10:25:28] [info] Total Errors:              14
[2025-09-06 10:25:28] [info] Total Warnings:            122
[2025-09-06 10:25:28] [info] Critical Issues:           None
```

```

[2025-09-06 10:31:19] [info] =====
[2025-09-06 10:31:19] [info]             Layout Versus Schematic Report
[2025-09-06 10:31:19] [info] =====

[2025-09-06 10:31:19] [info] Report Generated:    2025-09-06
[2025-09-06 10:31:19] [info] Run Start Time:      10:30:20 AM
[2025-09-06 10:31:19] [info] Run End Time:        10:31:19 AM
[2025-09-06 10:31:19] [info] Time Taken:          1 minutes 5 seconds

[2025-09-06 10:31:19] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:31:19] [info] Host Name:           kuro-Workstation
[2025-09-06 10:31:19] [info] User Name:           kuro
[2025-09-06 10:31:19] [info] Cores Used:          16
[2025-09-06 10:31:19] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]             Top Cell Match
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 10:31:19] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]             Netlist Statistics
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:31:19] [info] |-----|-----|-----|
[2025-09-06 10:31:19] [info] | Total Nets             | 21317       | 21319       |
[2025-09-06 10:31:19] [info] | Total Instances        | 281049      | 21165       |
[2025-09-06 10:31:19] [info] | Total Pins             | 281287      | 153642      |
[2025-09-06 10:31:19] [info] |-----|-----|-----|
[2025-09-06 10:31:19] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] Total Schematic Instances:    21165
[2025-09-06 10:31:19] [info] Matched Instances:           21154
[2025-09-06 10:31:19] [info] Match Percentage: 99.95%

[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]             Short and Open Checks
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] Short Circuits:      None Detected
[2025-09-06 10:31:19] [info] Open Circuits:       None Detected

[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]             Performance Metrics
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] | Stage                  | Time Taken |
[2025-09-06 10:31:19] [info] |-----|-----|
[2025-09-06 10:31:19] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 10:31:19] [info] | Connectivity Extraction  | 0 minutes 56 seconds |
[2025-09-06 10:31:19] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 10:31:19] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]             Additional Details
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:31:19] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:31:19] [info] Database Format:       GDSII
[2025-09-06 10:31:19] [info] Verification Mode:    Full Check
[2025-09-06 10:31:19] [info] Error Reporting:      Enabled

[2025-09-06 10:31:19] [info] -----

```

```

[2025-09-06 10:31:19] [info]                                Type of Errors | Count
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] DB_WARN -> 1
[2025-09-06 10:31:19] [info] LRF_ERR001 -> 14
[2025-09-06 10:31:19] [info] DB_WARN002 -> 251
[2025-09-06 10:31:19] [info] DB_WARN003 -> 251
[2025-09-06 10:31:19] [info] VERI_WARN012 -> 34
[2025-09-06 10:31:19] [info] LVS_ERR019 -> 38
[2025-09-06 10:31:19] [info] ERC_ERR001 -> 4
[2025-09-06 10:31:19] [info] LVS_ERR003 -> 13
[2025-09-06 10:31:19] [info] ERC_ERR003 -> 13
[2025-09-06 10:31:19] [info] LVS_ERR005 -> 11
[2025-09-06 10:31:19] [info] LVS_ERR030 -> 1
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info]                                Summary
[2025-09-06 10:31:19] [info] -----
[2025-09-06 10:31:19] [info] LVS Status:                PASSED
[2025-09-06 10:31:19] [info] Instance Match Percentage: 99.95%
[2025-09-06 10:31:19] [info] Short Circuits:           None Detected
[2025-09-06 10:31:19] [info] Open Circuits:            None Detected
[2025-09-06 10:31:19] [info] Unconnected Pins:         138
[2025-09-06 10:31:19] [info] Total Errors:              94
[2025-09-06 10:31:19] [info] Total Warnings:           537
[2025-09-06 10:31:19] [info] Critical Issues:          None

```

```

[2025-09-06 10:32:29] [info] =====
[2025-09-06 10:32:29] [info]             Layout Versus Schematic Report
[2025-09-06 10:32:29] [info] =====

[2025-09-06 10:32:29] [info] Report Generated:    2025-09-06
[2025-09-06 10:32:29] [info] Run Start Time:      10:31:27 AM
[2025-09-06 10:32:29] [info] Run End Time:        10:32:29 AM
[2025-09-06 10:32:29] [info] Time Taken:          1 minutes 7 seconds

[2025-09-06 10:32:29] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:32:29] [info] Host Name:           kuro-Workstation
[2025-09-06 10:32:29] [info] User Name:           kuro
[2025-09-06 10:32:29] [info] Cores Used:          16
[2025-09-06 10:32:29] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]             Top Cell Match
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 10:32:29] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]             Netlist Statistics
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:32:29] [info] |-----|-----|-----|
[2025-09-06 10:32:29] [info] | Total Nets             | 21096       | 21098       |
[2025-09-06 10:32:29] [info] | Total Instances        | 293160      | 20944        |
[2025-09-06 10:32:29] [info] | Total Pins             | 281372      | 152316       |
[2025-09-06 10:32:29] [info] |-----|-----|-----|
[2025-09-06 10:32:29] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] Total Schematic Instances:    20944
[2025-09-06 10:32:29] [info] Matched Instances:           20932
[2025-09-06 10:32:29] [info] Match Percentage: 99.94%

[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]             Short and Open Checks
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] Short Circuits:            None Detected
[2025-09-06 10:32:29] [info] Open Circuits:             Open Detected

[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]             Performance Metrics
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] | Stage                | Time Taken |
[2025-09-06 10:32:29] [info] |-----|-----|
[2025-09-06 10:32:29] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:32:29] [info] | Connectivity Extraction | 0 minutes 59 seconds |
[2025-09-06 10:32:29] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:32:29] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]             Additional Details
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] Technology Node:          SKY130HD (130nm)
[2025-09-06 10:32:29] [info] Hierarchical Cells:      Flattened
[2025-09-06 10:32:29] [info] Database Format:          GDSII
[2025-09-06 10:32:29] [info] Verification Mode:       Full Check
[2025-09-06 10:32:29] [info] Error Reporting:         Enabled

[2025-09-06 10:32:29] [info] -----

```

```

[2025-09-06 10:32:29] [info]                                     Type of Errors | Count
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] DB_WARN -> 1
[2025-09-06 10:32:29] [info] LRF_ERR001 -> 14
[2025-09-06 10:32:29] [info] DB_WARN002 -> 249
[2025-09-06 10:32:29] [info] DB_WARN003 -> 249
[2025-09-06 10:32:29] [info] VERI_WARN012 -> 31
[2025-09-06 10:32:29] [info] LVS_ERR018 -> 2
[2025-09-06 10:32:29] [info] LVS_ERR019 -> 32
[2025-09-06 10:32:29] [info] ERC_ERR001 -> 4
[2025-09-06 10:32:29] [info] LVS_ERR003 -> 11
[2025-09-06 10:32:29] [info] ERC_ERR003 -> 11
[2025-09-06 10:32:29] [info] LVS_ERR005 -> 12
[2025-09-06 10:32:29] [info] LVS_ERR030 -> 1
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info]                                     Summary
[2025-09-06 10:32:29] [info] -----
[2025-09-06 10:32:29] [info] LVS Status:                PASSED
[2025-09-06 10:32:29] [info] Instance Match Percentage: 99.94%
[2025-09-06 10:32:29] [info] Short Circuits:            None Detected
[2025-09-06 10:32:29] [info] Open Circuits:             Open Detected
[2025-09-06 10:32:29] [info] Unconnected Pins:          132
[2025-09-06 10:32:29] [info] Total Errors:               87
[2025-09-06 10:32:29] [info] Total Warnings:              530
[2025-09-06 10:32:29] [info] Critical Issues:            None

```

```

[2025-09-06 10:33:37] [info] =====
[2025-09-06 10:33:37] [info] Layout Versus Schematic Report
[2025-09-06 10:33:37] [info] =====

[2025-09-06 10:33:37] [info] Report Generated: 2025-09-06
[2025-09-06 10:33:37] [info] Run Start Time: 10:32:37 AM
[2025-09-06 10:33:37] [info] Run End Time: 10:33:36 AM
[2025-09-06 10:33:37] [info] Time Taken: 1 minutes 5 seconds

[2025-09-06 10:33:37] [info] Tool Version: LVR_2025.1
[2025-09-06 10:33:37] [info] Host Name: kuro-Workstation
[2025-09-06 10:33:37] [info] User Name: kuro
[2025-09-06 10:33:37] [info] Cores Used: 16
[2025-09-06 10:33:37] [info] Memory Utilized: 2577.80 MB / 62.569705963134766 GB

[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Top Cell Match
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 10:33:37] [info] Schematic Top Cell: ibex_core3_sky130hd
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Netlist Statistics
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] | Metric | Layout | Schematic |
[2025-09-06 10:33:37] [info] |-----|-----|-----|
[2025-09-06 10:33:37] [info] | Total Nets | 19194 | 19196 |
[2025-09-06 10:33:37] [info] | Total Instances | 300437 | 19042 |
[2025-09-06 10:33:37] [info] | Total Pins | 256833 | 140904 |
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Pin to Net Mapping Percentage
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Total Schematic Instances: 19042
[2025-09-06 10:33:37] [info] Matched Instances: 19033
[2025-09-06 10:33:37] [info] Match Percentage: 99.95%

[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Short and Open Checks
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Short Circuits: None Detected
[2025-09-06 10:33:37] [info] Open Circuits: Open Detected

[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Performance Metrics
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] | Stage | Time Taken |
[2025-09-06 10:33:37] [info] |-----|-----|
[2025-09-06 10:33:37] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:33:37] [info] | Connectivity Extraction | 0 minutes 57 seconds |
[2025-09-06 10:33:37] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:33:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Additional Details
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:33:37] [info] Hierarchical Cells: Flattened
[2025-09-06 10:33:37] [info] Database Format: GDSII
[2025-09-06 10:33:37] [info] Verification Mode: Full Check
[2025-09-06 10:33:37] [info] Error Reporting: Enabled

[2025-09-06 10:33:37] [info] -----

```

```

[2025-09-06 10:33:37] [info]                                Type of Errors | Count
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] DB_WARN -> 1
[2025-09-06 10:33:37] [info] LRF_ERR001 -> 14
[2025-09-06 10:33:37] [info] DB_WARN002 -> 253
[2025-09-06 10:33:37] [info] DB_WARN003 -> 251
[2025-09-06 10:33:37] [info] VERI_WARN012 -> 53
[2025-09-06 10:33:37] [info] LVS_ERR018 -> 5
[2025-09-06 10:33:37] [info] LVS_ERR019 -> 31
[2025-09-06 10:33:37] [info] LVS_ERR003 -> 11
[2025-09-06 10:33:37] [info] ERC_ERR003 -> 11
[2025-09-06 10:33:37] [info] ERC_ERR001 -> 2
[2025-09-06 10:33:37] [info] LVS_ERR005 -> 9
[2025-09-06 10:33:37] [info] LVS_ERR030 -> 1
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info]                                Summary
[2025-09-06 10:33:37] [info] -----
[2025-09-06 10:33:37] [info] LVS Status:                PASSED
[2025-09-06 10:33:37] [info] Instance Match Percentage: 99.95%
[2025-09-06 10:33:37] [info] Short Circuits:           None Detected
[2025-09-06 10:33:37] [info] Open Circuits:            Open Detected
[2025-09-06 10:33:37] [info] Unconnected Pins:         131
[2025-09-06 10:33:37] [info] Total Errors:              84
[2025-09-06 10:33:37] [info] Total Warnings:            558
[2025-09-06 10:33:37] [info] Critical Issues:          None

```

```

[2025-09-06 10:38:36] [info] =====
[2025-09-06 10:38:36] [info]             Layout Versus Schematic Report
[2025-09-06 10:38:36] [info] =====

[2025-09-06 10:38:36] [info] Report Generated:    2025-09-06
[2025-09-06 10:38:36] [info] Run Start Time:      10:33:55 AM
[2025-09-06 10:38:36] [info] Run End Time:        10:38:35 AM
[2025-09-06 10:38:36] [info] Time Taken:          4 minutes 57 seconds

[2025-09-06 10:38:36] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:38:36] [info] Host Name:           kuro-Workstation
[2025-09-06 10:38:36] [info] User Name:           kuro
[2025-09-06 10:38:36] [info] Cores Used:          16
[2025-09-06 10:38:36] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]             Top Cell Match
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 10:38:36] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]             Netlist Statistics
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:38:36] [info] |-----|-----|-----|
[2025-09-06 10:38:36] [info] | Total Nets             | 57241       | 57353       |
[2025-09-06 10:38:36] [info] | Total Instances        | 726048      | 44959        |
[2025-09-06 10:38:36] [info] | Total Pins             | 645641      | 334560       |
[2025-09-06 10:38:36] [info] |-----|-----|-----|
[2025-09-06 10:38:36] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] Total Schematic Instances:    44959
[2025-09-06 10:38:36] [info] Matched Instances:           44846
[2025-09-06 10:38:36] [info] Match Percentage: 99.75%

[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]             Short and Open Checks
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] Short Circuits:             None Detected
[2025-09-06 10:38:36] [info] Open Circuits:              Open Detected

[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]             Performance Metrics
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] | Stage                    | Time Taken |
[2025-09-06 10:38:36] [info] |-----|-----|
[2025-09-06 10:38:36] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:38:36] [info] | Connectivity Extraction   | 4 minutes 33 seconds |
[2025-09-06 10:38:36] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:38:36] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]             Additional Details
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:38:36] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:38:36] [info] Database Format:            GDSII
[2025-09-06 10:38:36] [info] Verification Mode:         Full Check
[2025-09-06 10:38:36] [info] Error Reporting:           Enabled

[2025-09-06 10:38:36] [info] -----

```

```

[2025-09-06 10:38:36] [info]                                Type of Errors | Count
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] DB_WARN -> 1
[2025-09-06 10:38:36] [info] LRF_ERR001 -> 14
[2025-09-06 10:38:36] [info] DB_WARN002 -> 159
[2025-09-06 10:38:36] [info] DB_WARN003 -> 161
[2025-09-06 10:38:36] [info] VERI_WARN012 -> 113
[2025-09-06 10:38:36] [info] LVS_ERR018 -> 7
[2025-09-06 10:38:36] [info] LVS_ERR019 -> 511
[2025-09-06 10:38:36] [info] LVS_ERR003 -> 499
[2025-09-06 10:38:36] [info] ERC_ERR003 -> 499
[2025-09-06 10:38:36] [info] LVS_ERR005 -> 113
[2025-09-06 10:38:36] [info] LVS_ERR030 -> 1
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info]                                Summary
[2025-09-06 10:38:36] [info] -----
[2025-09-06 10:38:36] [info] LVS Status:                PASSED
[2025-09-06 10:38:36] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:38:36] [info] Short Circuits:            None Detected
[2025-09-06 10:38:36] [info] Open Circuits:             Open Detected
[2025-09-06 10:38:36] [info] Unconnected Pins:          611
[2025-09-06 10:38:36] [info] Total Errors:               1644
[2025-09-06 10:38:36] [info] Total Warnings:             434
[2025-09-06 10:38:36] [info] Critical Issues:           None

```

```

[2025-09-06 10:44:29] [info] =====
[2025-09-06 10:44:29] [info]             Layout Versus Schematic Report
[2025-09-06 10:44:29] [info] =====

[2025-09-06 10:44:29] [info] Report Generated:    2025-09-06
[2025-09-06 10:44:29] [info] Run Start Time:      10:39:02 AM
[2025-09-06 10:44:29] [info] Run End Time:        10:44:29 AM
[2025-09-06 10:44:29] [info] Time Taken:          5 minutes 48 seconds

[2025-09-06 10:44:29] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:44:29] [info] Host Name:           kuro-Workstation
[2025-09-06 10:44:29] [info] User Name:           kuro
[2025-09-06 10:44:29] [info] Cores Used:          16
[2025-09-06 10:44:29] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]             Top Cell Match
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 10:44:29] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]             Netlist Statistics
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:44:29] [info] |-----|-----|-----|
[2025-09-06 10:44:29] [info] | Total Nets             | 57183       | 57295       |
[2025-09-06 10:44:29] [info] | Total Instances        | 857431      | 44901        |
[2025-09-06 10:44:29] [info] | Total Pins             | 674946      | 334212       |
[2025-09-06 10:44:29] [info] |-----|-----|-----|
[2025-09-06 10:44:29] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] Total Schematic Instances:    44901
[2025-09-06 10:44:29] [info] Matched Instances:           44788
[2025-09-06 10:44:29] [info] Match Percentage: 99.75%

[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]             Short and Open Checks
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] Short Circuits:             None Detected
[2025-09-06 10:44:29] [info] Open Circuits:              Open Detected

[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]             Performance Metrics
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] | Stage                    | Time Taken |
[2025-09-06 10:44:29] [info] |-----|-----|
[2025-09-06 10:44:29] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:44:29] [info] | Connectivity Extraction   | 5 minutes 20 seconds |
[2025-09-06 10:44:29] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:44:29] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]             Additional Details
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:44:29] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:44:29] [info] Database Format:            GDSII
[2025-09-06 10:44:29] [info] Verification Mode:         Full Check
[2025-09-06 10:44:29] [info] Error Reporting:           Enabled

[2025-09-06 10:44:29] [info] -----

```

```

[2025-09-06 10:44:29] [info]                                Type of Errors | Count
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] DB_WARN -> 1
[2025-09-06 10:44:29] [info] LRF_ERR001 -> 14
[2025-09-06 10:44:29] [info] DB_WARN002 -> 157
[2025-09-06 10:44:29] [info] DB_WARN003 -> 159
[2025-09-06 10:44:29] [info] VERI_WARN012 -> 113
[2025-09-06 10:44:29] [info] LVS_ERR018 -> 6
[2025-09-06 10:44:29] [info] LVS_ERR019 -> 502
[2025-09-06 10:44:29] [info] LVS_ERR003 -> 490
[2025-09-06 10:44:29] [info] ERC_ERR003 -> 490
[2025-09-06 10:44:29] [info] LVS_ERR005 -> 113
[2025-09-06 10:44:29] [info] LVS_ERR030 -> 1
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info]                                Summary
[2025-09-06 10:44:29] [info] -----
[2025-09-06 10:44:29] [info] LVS Status:                PASSED
[2025-09-06 10:44:29] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:44:29] [info] Short Circuits:           None Detected
[2025-09-06 10:44:29] [info] Open Circuits:            Open Detected
[2025-09-06 10:44:29] [info] Unconnected Pins:         602
[2025-09-06 10:44:29] [info] Total Errors:              1616
[2025-09-06 10:44:29] [info] Total Warnings:            430
[2025-09-06 10:44:29] [info] Critical Issues:          None

```

```

[2025-09-06 10:48:54] [info] =====
[2025-09-06 10:48:54] [info]           Layout Versus Schematic Report
[2025-09-06 10:48:54] [info] =====

[2025-09-06 10:48:54] [info] Report Generated:    2025-09-06
[2025-09-06 10:48:54] [info] Run Start Time:      10:44:49 AM
[2025-09-06 10:48:54] [info] Run End Time:        10:48:54 AM
[2025-09-06 10:48:54] [info] Time Taken:          4 minutes 18 seconds

[2025-09-06 10:48:54] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:48:54] [info] Host Name:           kuro-Workstation
[2025-09-06 10:48:54] [info] User Name:           kuro
[2025-09-06 10:48:54] [info] Cores Used:          16
[2025-09-06 10:48:54] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]           Top Cell Match
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 10:48:54] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]           Netlist Statistics
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:48:54] [info] |-----|-----|-----|
[2025-09-06 10:48:54] [info] | Total Nets             | 57107       | 57219       |
[2025-09-06 10:48:54] [info] | Total Instances        | 646154      | 44825       |
[2025-09-06 10:48:54] [info] | Total Pins             | 625409      | 333756      |
[2025-09-06 10:48:54] [info] |-----|-----|-----|
[2025-09-06 10:48:54] [info]           Pin to Net Mapping Percentage
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] Total Schematic Instances: 44825
[2025-09-06 10:48:54] [info] Matched Instances:      44712
[2025-09-06 10:48:54] [info] Match Percentage: 99.75%

[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]           Short and Open Checks
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] Short Circuits:       None Detected
[2025-09-06 10:48:54] [info] Open Circuits:        Open Detected

[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]           Performance Metrics
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] | Stage                | Time Taken |
[2025-09-06 10:48:54] [info] |-----|-----|
[2025-09-06 10:48:54] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:48:54] [info] | Connectivity Extraction | 3 minutes 59 seconds |
[2025-09-06 10:48:54] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:48:54] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]           Additional Details
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:48:54] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:48:54] [info] Database Format:       GDSII
[2025-09-06 10:48:54] [info] Verification Mode:    Full Check
[2025-09-06 10:48:54] [info] Error Reporting:      Enabled

[2025-09-06 10:48:54] [info] -----

```

```

[2025-09-06 10:48:54] [info]                                Type of Errors | Count
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] DB_WARN -> 1
[2025-09-06 10:48:54] [info] LRF_ERR001 -> 14
[2025-09-06 10:48:54] [info] DB_WARN002 -> 152
[2025-09-06 10:48:54] [info] DB_WARN003 -> 155
[2025-09-06 10:48:54] [info] VERI_WARN012 -> 113
[2025-09-06 10:48:54] [info] LVS_ERR018 -> 11
[2025-09-06 10:48:54] [info] LVS_ERR019 -> 450
[2025-09-06 10:48:54] [info] LVS_ERR003 -> 438
[2025-09-06 10:48:54] [info] ERC_ERR003 -> 438
[2025-09-06 10:48:54] [info] LVS_ERR005 -> 113
[2025-09-06 10:48:54] [info] LVS_ERR030 -> 1
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info]                                Summary
[2025-09-06 10:48:54] [info] -----
[2025-09-06 10:48:54] [info] LVS Status:                PASSED
[2025-09-06 10:48:54] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:48:54] [info] Short Circuits:            None Detected
[2025-09-06 10:48:54] [info] Open Circuits:             Open Detected
[2025-09-06 10:48:54] [info] Unconnected Pins:          550
[2025-09-06 10:48:54] [info] Total Errors:               1465
[2025-09-06 10:48:54] [info] Total Warnings:             421
[2025-09-06 10:48:54] [info] Critical Issues:           None

```

```

[2025-09-06 07:01:14] [info] =====
[2025-09-06 07:01:14] [info] Layout Versus Schematic Report
[2025-09-06 07:01:14] [info] =====

[2025-09-06 07:01:14] [info] Report Generated: 2025-09-06
[2025-09-06 07:01:14] [info] Run Start Time: 06:52:54 AM
[2025-09-06 07:01:14] [info] Run End Time: 07:01:14 AM
[2025-09-06 07:01:14] [info] Time Taken: 8 minutes 26 seconds

[2025-09-06 07:01:14] [info] Tool Version: LVR_2025.1
[2025-09-06 07:01:14] [info] Host Name: kuro-Workstation
[2025-09-06 07:01:14] [info] User Name: kuro
[2025-09-06 07:01:14] [info] Cores Used: 1
[2025-09-06 07:01:14] [info] Memory Utilized: 2848.86 MB / 62.569705963134766 GB

[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Top Cell Match
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Layout Top Cell: aes_cipher_top1_sky130hd
[2025-09-06 07:01:14] [info] Schematic Top Cell: aes_cipher_top1_sky130hd
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Netlist Statistics
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] | Metric | Layout | Schematic |
[2025-09-06 07:01:14] [info] |-----|-----|-----|
[2025-09-06 07:01:14] [info] | Total Nets | 25673 | 25678 |
[2025-09-06 07:01:14] [info] | Total Instances | 353042 | 25409 |
[2025-09-06 07:01:14] [info] | Total Pins | 300090 | 183701 |
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Pin to Net Mapping Percentage
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Total Schematic Instances: 25409
[2025-09-06 07:01:14] [info] Matched Instances: 25406
[2025-09-06 07:01:14] [info] Match Percentage: 99.99%

[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Short and Open Checks
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Short Circuits: None Detected
[2025-09-06 07:01:14] [info] Open Circuits: None Detected

[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Performance Metrics
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] | Stage | Time Taken |
[2025-09-06 07:01:14] [info] |-----|-----|
[2025-09-06 07:01:14] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 07:01:14] [info] | Connectivity Extraction | 8 minutes 16 seconds |
[2025-09-06 07:01:14] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 07:01:14] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Additional Details
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 07:01:14] [info] Hierarchical Cells: Flattened
[2025-09-06 07:01:14] [info] Database Format: GDSII
[2025-09-06 07:01:14] [info] Verification Mode: Full Check
[2025-09-06 07:01:14] [info] Error Reporting: Enabled

[2025-09-06 07:01:14] [info] -----

```

```
[2025-09-06 07:01:14] [info]                                Type of Errors | Count
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] DB_WARN -> 1
[2025-09-06 07:01:14] [info] LRF_ERROR01 -> 14
[2025-09-06 07:01:14] [info] DB_WARN002 -> 144
[2025-09-06 07:01:14] [info] DB_WARN003 -> 137
[2025-09-06 07:01:14] [info] VERI_WARN012 -> 41
[2025-09-06 07:01:14] [info] LVS_ERROR19 -> 18
[2025-09-06 07:01:14] [info] LVS_ERROR03 -> 18
[2025-09-06 07:01:14] [info] ERC_ERROR03 -> 18
[2025-09-06 07:01:14] [info] LVS_ERROR05 -> 3
[2025-09-06 07:01:14] [info] LVS_ERROR30 -> 1
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info]                                Summary
[2025-09-06 07:01:14] [info] -----
[2025-09-06 07:01:14] [info] LVS Status:                PASSED
[2025-09-06 07:01:14] [info] Instance Match Percentage: 99.99%
[2025-09-06 07:01:14] [info] Short Circuits:            None Detected
[2025-09-06 07:01:14] [info] Open Circuits:             None Detected
[2025-09-06 07:01:14] [info] Unconnected Pins:          118
[2025-09-06 07:01:14] [info] Total Errors:               72
[2025-09-06 07:01:14] [info] Total Warnings:             323
[2025-09-06 07:01:14] [info] Critical Issues:            None
```

```

[2025-09-06 07:13:51] [info] =====
[2025-09-06 07:13:51] [info] Layout Versus Schematic Report
[2025-09-06 07:13:51] [info] =====

[2025-09-06 07:13:51] [info] Report Generated: 2025-09-06
[2025-09-06 07:13:51] [info] Run Start Time: 07:01:24 AM
[2025-09-06 07:13:51] [info] Run End Time: 07:13:51 AM
[2025-09-06 07:13:51] [info] Time Taken: 12 minutes 34 seconds

[2025-09-06 07:13:51] [info] Tool Version: LVR_2025.1
[2025-09-06 07:13:51] [info] Host Name: kuro-Workstation
[2025-09-06 07:13:51] [info] User Name: kuro
[2025-09-06 07:13:51] [info] Cores Used: 1
[2025-09-06 07:13:51] [info] Memory Utilized: 3444.20 MB / 62.569705963134766 GB

[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Top Cell Match
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 07:13:51] [info] Schematic Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Netlist Statistics
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] | Metric | Layout | Schematic |
[2025-09-06 07:13:51] [info] |-----|-----|-----|
[2025-09-06 07:13:51] [info] | Total Nets | 25660 | 25665 |
[2025-09-06 07:13:51] [info] | Total Instances | 423815 | 25396 |
[2025-09-06 07:13:51] [info] | Total Pins | 314679 | 183623 |
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Pin to Net Mapping Percentage
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Total Schematic Instances: 25396
[2025-09-06 07:13:51] [info] Matched Instances: 25393
[2025-09-06 07:13:51] [info] Match Percentage: 99.99%

[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Short and Open Checks
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Short Circuits: None Detected
[2025-09-06 07:13:51] [info] Open Circuits: None Detected

[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Performance Metrics
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] | Stage | Time Taken |
[2025-09-06 07:13:51] [info] |-----|-----|
[2025-09-06 07:13:51] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 07:13:51] [info] | Connectivity Extraction | 12 minutes 23 seconds |
[2025-09-06 07:13:51] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 07:13:51] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Additional Details
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 07:13:51] [info] Hierarchical Cells: Flattened
[2025-09-06 07:13:51] [info] Database Format: GDSII
[2025-09-06 07:13:51] [info] Verification Mode: Full Check
[2025-09-06 07:13:51] [info] Error Reporting: Enabled

[2025-09-06 07:13:51] [info] -----

```

```

[2025-09-06 07:13:51] [info]                                Type of Errors | Count
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] DB_WARN -> 1
[2025-09-06 07:13:51] [info] LRF_ERROR01 -> 14
[2025-09-06 07:13:51] [info] DB_WARN002 -> 141
[2025-09-06 07:13:51] [info] DB_WARN003 -> 135
[2025-09-06 07:13:51] [info] VERI_WARN012 -> 39
[2025-09-06 07:13:51] [info] LVS_ERROR19 -> 12
[2025-09-06 07:13:51] [info] LVS_ERROR03 -> 12
[2025-09-06 07:13:51] [info] ERC_ERROR03 -> 12
[2025-09-06 07:13:51] [info] LVS_ERROR05 -> 3
[2025-09-06 07:13:51] [info] LVS_ERROR30 -> 1
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info]                                Summary
[2025-09-06 07:13:51] [info] -----
[2025-09-06 07:13:51] [info] LVS Status:                PASSED
[2025-09-06 07:13:51] [info] Instance Match Percentage: 99.99%
[2025-09-06 07:13:51] [info] Short Circuits:            None Detected
[2025-09-06 07:13:51] [info] Open Circuits:             None Detected
[2025-09-06 07:13:51] [info] Unconnected Pins:          112
[2025-09-06 07:13:51] [info] Total Errors:               54
[2025-09-06 07:13:51] [info] Total Warnings:             316
[2025-09-06 07:13:51] [info] Critical Issues:            None

```

```

[2025-09-06 07:21:35] [info] =====
[2025-09-06 07:21:35] [info]             Layout Versus Schematic Report
[2025-09-06 07:21:35] [info] =====

[2025-09-06 07:21:35] [info] Report Generated:    2025-09-06
[2025-09-06 07:21:35] [info] Run Start Time:      07:13:59 AM
[2025-09-06 07:21:35] [info] Run End Time:        07:21:35 AM
[2025-09-06 07:21:35] [info] Time Taken:          7 minutes 41 seconds

[2025-09-06 07:21:35] [info] Tool Version:        LVR_2025.1
[2025-09-06 07:21:35] [info] Host Name:           kuro-Workstation
[2025-09-06 07:21:35] [info] User Name:           kuro
[2025-09-06 07:21:35] [info] Cores Used:          1
[2025-09-06 07:21:35] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]             Top Cell Match
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 07:21:35] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]             Netlist Statistics
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 07:21:35] [info] |-----|-----|-----|
[2025-09-06 07:21:35] [info] | Total Nets             | 25146       | 25151       |
[2025-09-06 07:21:35] [info] | Total Instances        | 318921      | 24882       |
[2025-09-06 07:21:35] [info] | Total Pins             | 285259      | 180539      |
[2025-09-06 07:21:35] [info] |-----|-----|-----|
[2025-09-06 07:21:35] [info]             Pin to Net Mapping Percentage
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] Total Schematic Instances:    24882
[2025-09-06 07:21:35] [info] Matched Instances:           24879
[2025-09-06 07:21:35] [info] Match Percentage: 99.99%

[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]             Short and Open Checks
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] Short Circuits:      None Detected
[2025-09-06 07:21:35] [info] Open Circuits:       None Detected

[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]             Performance Metrics
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] | Stage                | Time Taken |
[2025-09-06 07:21:35] [info] |-----|-----|
[2025-09-06 07:21:35] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 07:21:35] [info] | Connectivity Extraction | 7 minutes 33 seconds |
[2025-09-06 07:21:35] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 07:21:35] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]             Additional Details
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 07:21:35] [info] Hierarchical Cells:   Flattened
[2025-09-06 07:21:35] [info] Database Format:       GDSII
[2025-09-06 07:21:35] [info] Verification Mode:    Full Check
[2025-09-06 07:21:35] [info] Error Reporting:      Enabled

[2025-09-06 07:21:35] [info] -----

```

```
[2025-09-06 07:21:35] [info]                                Type of Errors | Count
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] DB_WARN -> 1
[2025-09-06 07:21:35] [info] LRF_ERROR01 -> 14
[2025-09-06 07:21:35] [info] DB_WARN002 -> 138
[2025-09-06 07:21:35] [info] DB_WARN003 -> 132
[2025-09-06 07:21:35] [info] VERI_WARN012 -> 36
[2025-09-06 07:21:35] [info] LVS_ERROR19 -> 12
[2025-09-06 07:21:35] [info] LVS_ERROR03 -> 12
[2025-09-06 07:21:35] [info] ERC_ERROR03 -> 12
[2025-09-06 07:21:35] [info] LVS_ERROR05 -> 3
[2025-09-06 07:21:35] [info] LVS_ERROR30 -> 1
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info]                                Summary
[2025-09-06 07:21:35] [info] -----
[2025-09-06 07:21:35] [info] LVS Status:                PASSED
[2025-09-06 07:21:35] [info] Instance Match Percentage: 99.99%
[2025-09-06 07:21:35] [info] Short Circuits:            None Detected
[2025-09-06 07:21:35] [info] Open Circuits:             None Detected
[2025-09-06 07:21:35] [info] Unconnected Pins:          112
[2025-09-06 07:21:35] [info] Total Errors:               54
[2025-09-06 07:21:35] [info] Total Warnings:             307
[2025-09-06 07:21:35] [info] Critical Issues:            None
```

```

[2025-09-06 06:52:45] [info] =====
[2025-09-06 06:52:45] [info] Layout Versus Schematic Report
[2025-09-06 06:52:45] [info] =====

[2025-09-06 06:52:45] [info] Report Generated: 2025-09-06
[2025-09-06 06:52:45] [info] Run Start Time: 06:52:44 AM
[2025-09-06 06:52:45] [info] Run End Time: 06:52:45 AM
[2025-09-06 06:52:45] [info] Time Taken: 0 minutes 1 seconds

[2025-09-06 06:52:45] [info] Tool Version: LVR_2025.1
[2025-09-06 06:52:45] [info] Host Name: kuro-Workstation
[2025-09-06 06:52:45] [info] User Name: kuro
[2025-09-06 06:52:45] [info] Cores Used: 1
[2025-09-06 06:52:45] [info] Memory Utilized: 38.46 MB / 62.569705963134766 GB

[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Top Cell Match
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 06:52:45] [info] Schematic Top Cell: gcd1_sky130hd
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Netlist Statistics
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] | Metric | Layout | Schematic |
[2025-09-06 06:52:45] [info] |-----|-----|-----|
[2025-09-06 06:52:45] [info] | Total Nets | 389 | 391 |
[2025-09-06 06:52:45] [info] | Total Instances | 4312 | 351 |
[2025-09-06 06:52:45] [info] | Total Pins | 4063 | 2481 |
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Pin to Net Mapping Percentage
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Total Schematic Instances: 351
[2025-09-06 06:52:45] [info] Matched Instances: 351
[2025-09-06 06:52:45] [info] Match Percentage: 100.00%

[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Short and Open Checks
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Short Circuits: None Detected
[2025-09-06 06:52:45] [info] Open Circuits: None Detected

[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Performance Metrics
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] | Stage | Time Taken |
[2025-09-06 06:52:45] [info] |-----|-----|
[2025-09-06 06:52:45] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 06:52:45] [info] | Connectivity Extraction | 0 minutes 1 seconds |
[2025-09-06 06:52:45] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 06:52:45] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Additional Details
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 06:52:45] [info] Hierarchical Cells: Flattened
[2025-09-06 06:52:45] [info] Database Format: GDSII
[2025-09-06 06:52:45] [info] Verification Mode: Full Check
[2025-09-06 06:52:45] [info] Error Reporting: Enabled

[2025-09-06 06:52:45] [info] -----

```

```
[2025-09-06 06:52:45] [info]                Type of Errors | Count
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] DB_WARN -> 1
[2025-09-06 06:52:45] [info] LRF_ERR001 -> 14
[2025-09-06 06:52:45] [info] DB_WARN002 -> 58
[2025-09-06 06:52:45] [info] DB_WARN003 -> 55
[2025-09-06 06:52:45] [info] VERI_WARN012 -> 4
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info]                Summary
[2025-09-06 06:52:45] [info] -----
[2025-09-06 06:52:45] [info] LVS Status:                PASSED
[2025-09-06 06:52:45] [info] Instance Match Percentage: 100.00%
[2025-09-06 06:52:45] [info] Short Circuits:           None Detected
[2025-09-06 06:52:45] [info] Open Circuits:            None Detected
[2025-09-06 06:52:45] [info] Unconnected Pins:         100
[2025-09-06 06:52:45] [info] Total Errors:              14
[2025-09-06 06:52:45] [info] Total Warnings:            118
[2025-09-06 06:52:45] [info] Critical Issues:           None
```

```

[2025-09-06 06:52:47] [info] =====
[2025-09-06 06:52:47] [info]           Layout Versus Schematic Report
[2025-09-06 06:52:47] [info] =====

[2025-09-06 06:52:47] [info] Report Generated:    2025-09-06
[2025-09-06 06:52:47] [info] Run Start Time:      06:52:45 AM
[2025-09-06 06:52:47] [info] Run End Time:        06:52:47 AM
[2025-09-06 06:52:47] [info] Time Taken:          0 minutes 1 seconds

[2025-09-06 06:52:47] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:52:47] [info] Host Name:           kuro-Workstation
[2025-09-06 06:52:47] [info] User Name:           kuro
[2025-09-06 06:52:47] [info] Cores Used:           1
[2025-09-06 06:52:47] [info] Memory Utilized:     43.01 MB / 62.569705963134766 GB

[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]           Top Cell Match
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] Layout Top Cell:      gcd2_sky130hd
[2025-09-06 06:52:47] [info] Schematic Top Cell:   gcd2_sky130hd
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]           Netlist Statistics
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 06:52:47] [info] |-----|-----|-----|
[2025-09-06 06:52:47] [info] | Total Nets             | 353         | 355         |
[2025-09-06 06:52:47] [info] | Total Instances        | 4768        | 315         |
[2025-09-06 06:52:47] [info] | Total Pins             | 3854        | 2265        |
[2025-09-06 06:52:47] [info] |-----|-----|-----|
[2025-09-06 06:52:47] [info]           Pin to Net Mapping Percentage
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] Total Schematic Instances:    315
[2025-09-06 06:52:47] [info] Matched Instances:           315
[2025-09-06 06:52:47] [info] Match Percentage: 100.00%

[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]           Short and Open Checks
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] Short Circuits:      None Detected
[2025-09-06 06:52:47] [info] Open Circuits:       None Detected

[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]           Performance Metrics
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] | Stage                | Time Taken |
[2025-09-06 06:52:47] [info] |-----|-----|
[2025-09-06 06:52:47] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 06:52:47] [info] | Connectivity Extraction | 0 minutes 1 seconds |
[2025-09-06 06:52:47] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 06:52:47] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]           Additional Details
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:52:47] [info] Hierarchical Cells:   Flattened
[2025-09-06 06:52:47] [info] Database Format:       GDSII
[2025-09-06 06:52:47] [info] Verification Mode:    Full Check
[2025-09-06 06:52:47] [info] Error Reporting:      Enabled

[2025-09-06 06:52:47] [info] -----

```

```

[2025-09-06 06:52:47] [info]                Type of Errors | Count
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] DB_WARN -> 1
[2025-09-06 06:52:47] [info] LRF_ERR001 -> 14
[2025-09-06 06:52:47] [info] DB_WARN002 -> 59
[2025-09-06 06:52:47] [info] DB_WARN003 -> 56
[2025-09-06 06:52:47] [info] VERI_WARN012 -> 5
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info]                Summary
[2025-09-06 06:52:47] [info] -----
[2025-09-06 06:52:47] [info] LVS Status:                PASSED
[2025-09-06 06:52:47] [info] Instance Match Percentage: 100.00%
[2025-09-06 06:52:47] [info] Short Circuits:           None Detected
[2025-09-06 06:52:47] [info] Open Circuits:            None Detected
[2025-09-06 06:52:47] [info] Unconnected Pins:         100
[2025-09-06 06:52:47] [info] Total Errors:              14
[2025-09-06 06:52:47] [info] Total Warnings:            121
[2025-09-06 06:52:47] [info] Critical Issues:          None

```

```

[2025-09-06 06:52:48] [info] =====
[2025-09-06 06:52:48] [info]             Layout Versus Schematic Report
[2025-09-06 06:52:48] [info] =====

[2025-09-06 06:52:48] [info] Report Generated:    2025-09-06
[2025-09-06 06:52:48] [info] Run Start Time:      06:52:47 AM
[2025-09-06 06:52:48] [info] Run End Time:        06:52:48 AM
[2025-09-06 06:52:48] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 06:52:48] [info] Tool Version:        LVR_2025.1
[2025-09-06 06:52:48] [info] Host Name:           kuro-Workstation
[2025-09-06 06:52:48] [info] User Name:           kuro
[2025-09-06 06:52:48] [info] Cores Used:          1
[2025-09-06 06:52:48] [info] Memory Utilized:     32.48 MB / 62.569705963134766 GB

[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info]             Top Cell Match
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 06:52:48] [info] Schematic Top Cell:  gcd3_sky130hd
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info]             Netlist Statistics
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 06:52:48] [info] |-----|-----|-----|
[2025-09-06 06:52:48] [info] | Total Nets             | 360         | 362         |
[2025-09-06 06:52:48] [info] | Total Instances        | 3829        | 322         |
[2025-09-06 06:52:48] [info] | Total Pins             | 3692        | 2307        |
[2025-09-06 06:52:48] [info] |-----|-----|-----|
[2025-09-06 06:52:48] [info]             Pin to Net Mapping Percentage
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] Total Schematic Instances:    322
[2025-09-06 06:52:48] [info] Matched Instances:           322
[2025-09-06 06:52:48] [info] Match Percentage: 100.00%

[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info]             Short and Open Checks
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] Short Circuits:      None Detected
[2025-09-06 06:52:48] [info] Open Circuits:       None Detected

[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info]             Performance Metrics
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] | Stage                | Time Taken |
[2025-09-06 06:52:48] [info] |-----|-----|
[2025-09-06 06:52:48] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 06:52:48] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 06:52:48] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 06:52:48] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info]             Additional Details
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 06:52:48] [info] Hierarchical Cells:   Flattened
[2025-09-06 06:52:48] [info] Database Format:       GDSII
[2025-09-06 06:52:48] [info] Verification Mode:    Full Check
[2025-09-06 06:52:48] [info] Error Reporting:      Enabled

[2025-09-06 06:52:48] [info] -----

```

```
[2025-09-06 06:52:48] [info] Type of Errors | Count
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] DB_WARN -> 1
[2025-09-06 06:52:48] [info] LRF_ERR001 -> 14
[2025-09-06 06:52:48] [info] DB_WARN002 -> 59
[2025-09-06 06:52:48] [info] DB_WARN003 -> 56
[2025-09-06 06:52:48] [info] VERI_WARN012 -> 6
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] Summary
[2025-09-06 06:52:48] [info] -----
[2025-09-06 06:52:48] [info] LVS Status: PASSED
[2025-09-06 06:52:48] [info] Instance Match Percentage: 100.00%
[2025-09-06 06:52:48] [info] Short Circuits: None Detected
[2025-09-06 06:52:48] [info] Open Circuits: None Detected
[2025-09-06 06:52:48] [info] Unconnected Pins: 100
[2025-09-06 06:52:48] [info] Total Errors: 14
[2025-09-06 06:52:48] [info] Total Warnings: 122
[2025-09-06 06:52:48] [info] Critical Issues: None
```

```

[2025-09-06 07:28:12] [info] =====
[2025-09-06 07:28:12] [info]           Layout Versus Schematic Report
[2025-09-06 07:28:12] [info] =====

[2025-09-06 07:28:12] [info] Report Generated:    2025-09-06
[2025-09-06 07:28:12] [info] Run Start Time:      07:21:42 AM
[2025-09-06 07:28:12] [info] Run End Time:        07:28:12 AM
[2025-09-06 07:28:12] [info] Time Taken:          6 minutes 35 seconds

[2025-09-06 07:28:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 07:28:12] [info] Host Name:           kuro-Workstation
[2025-09-06 07:28:12] [info] User Name:           kuro
[2025-09-06 07:28:12] [info] Cores Used:          1
[2025-09-06 07:28:12] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]           Top Cell Match
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 07:28:12] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]           Netlist Statistics
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 07:28:12] [info] |-----|-----|-----|
[2025-09-06 07:28:12] [info] | Total Nets             | 21317       | 21319       |
[2025-09-06 07:28:12] [info] | Total Instances        | 281049      | 21165       |
[2025-09-06 07:28:12] [info] | Total Pins             | 281287      | 153642      |
[2025-09-06 07:28:12] [info] |-----|-----|-----|
[2025-09-06 07:28:12] [info]           Pin to Net Mapping Percentage
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] Total Schematic Instances:    21165
[2025-09-06 07:28:12] [info] Matched Instances:           21154
[2025-09-06 07:28:12] [info] Match Percentage: 99.95%

[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]           Short and Open Checks
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] Short Circuits:      None Detected
[2025-09-06 07:28:12] [info] Open Circuits:       None Detected

[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]           Performance Metrics
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] | Stage                | Time Taken |
[2025-09-06 07:28:12] [info] |-----|-----|
[2025-09-06 07:28:12] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 07:28:12] [info] | Connectivity Extraction | 6 minutes 26 seconds |
[2025-09-06 07:28:12] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 07:28:12] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]           Additional Details
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 07:28:12] [info] Hierarchical Cells:   Flattened
[2025-09-06 07:28:12] [info] Database Format:       GDSII
[2025-09-06 07:28:12] [info] Verification Mode:    Full Check
[2025-09-06 07:28:12] [info] Error Reporting:      Enabled

[2025-09-06 07:28:12] [info] -----

```

```

[2025-09-06 07:28:12] [info]                                Type of Errors | Count
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] DB_WARN -> 1
[2025-09-06 07:28:12] [info] LRF_ERR001 -> 14
[2025-09-06 07:28:12] [info] DB_WARN002 -> 251
[2025-09-06 07:28:12] [info] DB_WARN003 -> 251
[2025-09-06 07:28:12] [info] VERI_WARN012 -> 34
[2025-09-06 07:28:12] [info] LVS_ERR019 -> 38
[2025-09-06 07:28:12] [info] ERC_ERR001 -> 4
[2025-09-06 07:28:12] [info] LVS_ERR003 -> 13
[2025-09-06 07:28:12] [info] ERC_ERR003 -> 13
[2025-09-06 07:28:12] [info] LVS_ERR005 -> 11
[2025-09-06 07:28:12] [info] LVS_ERR030 -> 1
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info]                                Summary
[2025-09-06 07:28:12] [info] -----
[2025-09-06 07:28:12] [info] LVS Status:                PASSED
[2025-09-06 07:28:12] [info] Instance Match Percentage: 99.95%
[2025-09-06 07:28:12] [info] Short Circuits:           None Detected
[2025-09-06 07:28:12] [info] Open Circuits:            None Detected
[2025-09-06 07:28:12] [info] Unconnected Pins:         138
[2025-09-06 07:28:12] [info] Total Errors:              94
[2025-09-06 07:28:12] [info] Total Warnings:           537
[2025-09-06 07:28:12] [info] Critical Issues:          None

```

```

[2025-09-06 07:35:13] [info] =====
[2025-09-06 07:35:13] [info] Layout Versus Schematic Report
[2025-09-06 07:35:13] [info] =====

[2025-09-06 07:35:13] [info] Report Generated: 2025-09-06
[2025-09-06 07:35:13] [info] Run Start Time: 07:28:19 AM
[2025-09-06 07:35:13] [info] Run End Time: 07:35:13 AM
[2025-09-06 07:35:13] [info] Time Taken: 6 minutes 59 seconds

[2025-09-06 07:35:13] [info] Tool Version: LVR_2025.1
[2025-09-06 07:35:13] [info] Host Name: kuro-Workstation
[2025-09-06 07:35:13] [info] User Name: kuro
[2025-09-06 07:35:13] [info] Cores Used: 1
[2025-09-06 07:35:13] [info] Memory Utilized: 2652.30 MB / 62.569705963134766 GB

[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Top Cell Match
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-09-06 07:35:13] [info] Schematic Top Cell: ibex_core2_sky130hd
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Netlist Statistics
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] | Metric | Layout | Schematic |
[2025-09-06 07:35:13] [info] |-----|-----|-----|
[2025-09-06 07:35:13] [info] | Total Nets | 21096 | 21098 |
[2025-09-06 07:35:13] [info] | Total Instances | 293160 | 20944 |
[2025-09-06 07:35:13] [info] | Total Pins | 281372 | 152316 |
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Pin to Net Mapping Percentage
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Total Schematic Instances: 20944
[2025-09-06 07:35:13] [info] Matched Instances: 20932
[2025-09-06 07:35:13] [info] Match Percentage: 99.94%

[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Short and Open Checks
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Short Circuits: None Detected
[2025-09-06 07:35:13] [info] Open Circuits: Open Detected

[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Performance Metrics
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] | Stage | Time Taken |
[2025-09-06 07:35:13] [info] |-----|-----|
[2025-09-06 07:35:13] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 07:35:13] [info] | Connectivity Extraction | 6 minutes 50 seconds |
[2025-09-06 07:35:13] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 07:35:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Additional Details
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 07:35:13] [info] Hierarchical Cells: Flattened
[2025-09-06 07:35:13] [info] Database Format: GDSII
[2025-09-06 07:35:13] [info] Verification Mode: Full Check
[2025-09-06 07:35:13] [info] Error Reporting: Enabled

[2025-09-06 07:35:13] [info] -----

```

```

[2025-09-06 07:35:13] [info]                                Type of Errors | Count
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] DB_WARN -> 1
[2025-09-06 07:35:13] [info] LRF_ERR001 -> 14
[2025-09-06 07:35:13] [info] DB_WARN002 -> 249
[2025-09-06 07:35:13] [info] DB_WARN003 -> 249
[2025-09-06 07:35:13] [info] VERI_WARN012 -> 31
[2025-09-06 07:35:13] [info] LVS_ERR018 -> 2
[2025-09-06 07:35:13] [info] LVS_ERR019 -> 32
[2025-09-06 07:35:13] [info] ERC_ERR001 -> 4
[2025-09-06 07:35:13] [info] LVS_ERR003 -> 11
[2025-09-06 07:35:13] [info] ERC_ERR003 -> 11
[2025-09-06 07:35:13] [info] LVS_ERR005 -> 12
[2025-09-06 07:35:13] [info] LVS_ERR030 -> 1
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info]                                Summary
[2025-09-06 07:35:13] [info] -----
[2025-09-06 07:35:13] [info] LVS Status:                PASSED
[2025-09-06 07:35:13] [info] Instance Match Percentage: 99.94%
[2025-09-06 07:35:13] [info] Short Circuits:           None Detected
[2025-09-06 07:35:13] [info] Open Circuits:            Open Detected
[2025-09-06 07:35:13] [info] Unconnected Pins:         132
[2025-09-06 07:35:13] [info] Total Errors:              87
[2025-09-06 07:35:13] [info] Total Warnings:            530
[2025-09-06 07:35:13] [info] Critical Issues:          None

```

```

[2025-09-06 07:41:44] [info] =====
[2025-09-06 07:41:44] [info]             Layout Versus Schematic Report
[2025-09-06 07:41:44] [info] =====

[2025-09-06 07:41:44] [info] Report Generated:    2025-09-06
[2025-09-06 07:41:44] [info] Run Start Time:      07:35:21 AM
[2025-09-06 07:41:44] [info] Run End Time:        07:41:44 AM
[2025-09-06 07:41:44] [info] Time Taken:          6 minutes 29 seconds

[2025-09-06 07:41:44] [info] Tool Version:        LVR_2025.1
[2025-09-06 07:41:44] [info] Host Name:           kuro-Workstation
[2025-09-06 07:41:44] [info] User Name:           kuro
[2025-09-06 07:41:44] [info] Cores Used:          1
[2025-09-06 07:41:44] [info] Memory Utilized:     2577.80 MB / 62.569705963134766 GB

[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]             Top Cell Match
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 07:41:44] [info] Schematic Top Cell:  ibex_core3_sky130hd
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]             Netlist Statistics
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 07:41:44] [info] |-----|-----|-----|
[2025-09-06 07:41:44] [info] | Total Nets             | 19194       | 19196       |
[2025-09-06 07:41:44] [info] | Total Instances        | 300437      | 19042       |
[2025-09-06 07:41:44] [info] | Total Pins             | 256833      | 140904      |
[2025-09-06 07:41:44] [info] |-----|-----|-----|
[2025-09-06 07:41:44] [info]             Pin to Net Mapping Percentage
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] Total Schematic Instances: 19042
[2025-09-06 07:41:44] [info] Matched Instances:        19033
[2025-09-06 07:41:44] [info] Match Percentage: 99.95%

[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]             Short and Open Checks
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] Short Circuits:        None Detected
[2025-09-06 07:41:44] [info] Open Circuits:         Open Detected

[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]             Performance Metrics
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] | Stage                  | Time Taken |
[2025-09-06 07:41:44] [info] |-----|-----|
[2025-09-06 07:41:44] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 07:41:44] [info] | Connectivity Extraction | 6 minutes 20 seconds |
[2025-09-06 07:41:44] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 07:41:44] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]             Additional Details
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 07:41:44] [info] Hierarchical Cells:    Flattened
[2025-09-06 07:41:44] [info] Database Format:        GDSII
[2025-09-06 07:41:44] [info] Verification Mode:     Full Check
[2025-09-06 07:41:44] [info] Error Reporting:       Enabled

[2025-09-06 07:41:44] [info] -----

```

```
[2025-09-06 07:41:44] [info]                                Type of Errors | Count
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] DB_WARN -> 1
[2025-09-06 07:41:44] [info] LRF_ERR001 -> 14
[2025-09-06 07:41:44] [info] DB_WARN002 -> 253
[2025-09-06 07:41:44] [info] DB_WARN003 -> 251
[2025-09-06 07:41:44] [info] VERI_WARN012 -> 53
[2025-09-06 07:41:44] [info] LVS_ERR018 -> 5
[2025-09-06 07:41:44] [info] LVS_ERR019 -> 31
[2025-09-06 07:41:44] [info] LVS_ERR003 -> 11
[2025-09-06 07:41:44] [info] ERC_ERR003 -> 11
[2025-09-06 07:41:44] [info] ERC_ERR001 -> 2
[2025-09-06 07:41:44] [info] LVS_ERR005 -> 9
[2025-09-06 07:41:44] [info] LVS_ERR030 -> 1
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info]                                Summary
[2025-09-06 07:41:44] [info] -----
[2025-09-06 07:41:44] [info] LVS Status:                PASSED
[2025-09-06 07:41:44] [info] Instance Match Percentage: 99.95%
[2025-09-06 07:41:44] [info] Short Circuits:           None Detected
[2025-09-06 07:41:44] [info] Open Circuits:            Open Detected
[2025-09-06 07:41:44] [info] Unconnected Pins:         131
[2025-09-06 07:41:44] [info] Total Errors:              84
[2025-09-06 07:41:44] [info] Total Warnings:            558
[2025-09-06 07:41:44] [info] Critical Issues:          None
```

```

[2025-09-06 08:11:28] [info] =====
[2025-09-06 08:11:28] [info] Layout Versus Schematic Report
[2025-09-06 08:11:28] [info] =====

[2025-09-06 08:11:28] [info] Report Generated: 2025-09-06
[2025-09-06 08:11:28] [info] Run Start Time: 07:42:03 AM
[2025-09-06 08:11:28] [info] Run End Time: 08:11:28 AM
[2025-09-06 08:11:28] [info] Time Taken: 29 minutes 41 seconds

[2025-09-06 08:11:28] [info] Tool Version: LVR_2025.1
[2025-09-06 08:11:28] [info] Host Name: kuro-Workstation
[2025-09-06 08:11:28] [info] User Name: kuro
[2025-09-06 08:11:28] [info] Cores Used: 1
[2025-09-06 08:11:28] [info] Memory Utilized: 6934.95 MB / 62.569705963134766 GB

[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Top Cell Match
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-09-06 08:11:28] [info] Schematic Top Cell: jpeg_encoder1_sky130hd
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Netlist Statistics
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] | Metric | Layout | Schematic |
[2025-09-06 08:11:28] [info] |-----|-----|-----|
[2025-09-06 08:11:28] [info] | Total Nets | 57241 | 57353 |
[2025-09-06 08:11:28] [info] | Total Instances | 726048 | 44959 |
[2025-09-06 08:11:28] [info] | Total Pins | 645641 | 334560 |
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Pin to Net Mapping Percentage
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Total Schematic Instances: 44959
[2025-09-06 08:11:28] [info] Matched Instances: 44846
[2025-09-06 08:11:28] [info] Match Percentage: 99.75%

[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Short and Open Checks
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Short Circuits: None Detected
[2025-09-06 08:11:28] [info] Open Circuits: Open Detected

[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Performance Metrics
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] | Stage | Time Taken |
[2025-09-06 08:11:28] [info] |-----|-----|
[2025-09-06 08:11:28] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 08:11:28] [info] | Connectivity Extraction | 29 minutes 17 seconds |
[2025-09-06 08:11:28] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 08:11:28] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Additional Details
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 08:11:28] [info] Hierarchical Cells: Flattened
[2025-09-06 08:11:28] [info] Database Format: GDSII
[2025-09-06 08:11:28] [info] Verification Mode: Full Check
[2025-09-06 08:11:28] [info] Error Reporting: Enabled

[2025-09-06 08:11:28] [info] -----

```

```

[2025-09-06 08:11:28] [info]                                Type of Errors | Count
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] DB_WARN -> 1
[2025-09-06 08:11:28] [info] LRF_ERR001 -> 14
[2025-09-06 08:11:28] [info] DB_WARN002 -> 159
[2025-09-06 08:11:28] [info] DB_WARN003 -> 161
[2025-09-06 08:11:28] [info] VERI_WARN012 -> 113
[2025-09-06 08:11:28] [info] LVS_ERR018 -> 7
[2025-09-06 08:11:28] [info] LVS_ERR019 -> 511
[2025-09-06 08:11:28] [info] LVS_ERR003 -> 499
[2025-09-06 08:11:28] [info] ERC_ERR003 -> 499
[2025-09-06 08:11:28] [info] LVS_ERR005 -> 113
[2025-09-06 08:11:28] [info] LVS_ERR030 -> 1
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info]                                Summary
[2025-09-06 08:11:28] [info] -----
[2025-09-06 08:11:28] [info] LVS Status:                PASSED
[2025-09-06 08:11:28] [info] Instance Match Percentage: 99.75%
[2025-09-06 08:11:28] [info] Short Circuits:           None Detected
[2025-09-06 08:11:28] [info] Open Circuits:            Open Detected
[2025-09-06 08:11:28] [info] Unconnected Pins:         611
[2025-09-06 08:11:28] [info] Total Errors:              1644
[2025-09-06 08:11:28] [info] Total Warnings:            434
[2025-09-06 08:11:28] [info] Critical Issues:          None

```

```

[2025-09-06 08:45:55] [info] =====
[2025-09-06 08:45:55] [info] Layout Versus Schematic Report
[2025-09-06 08:45:55] [info] =====

[2025-09-06 08:45:55] [info] Report Generated: 2025-09-06
[2025-09-06 08:45:55] [info] Run Start Time: 08:11:55 AM
[2025-09-06 08:45:55] [info] Run End Time: 08:45:54 AM
[2025-09-06 08:45:55] [info] Time Taken: 34 minutes 21 seconds

[2025-09-06 08:45:55] [info] Tool Version: LVR_2025.1
[2025-09-06 08:45:55] [info] Host Name: kuro-Workstation
[2025-09-06 08:45:55] [info] User Name: kuro
[2025-09-06 08:45:55] [info] Cores Used: 1
[2025-09-06 08:45:55] [info] Memory Utilized: 8499.99 MB / 62.569705963134766 GB

[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Top Cell Match
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 08:45:55] [info] Schematic Top Cell: jpeg_encoder2_sky130hd
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Netlist Statistics
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] | Metric | Layout | Schematic |
[2025-09-06 08:45:55] [info] |-----|-----|-----|
[2025-09-06 08:45:55] [info] | Total Nets | 57183 | 57295 |
[2025-09-06 08:45:55] [info] | Total Instances | 857431 | 44901 |
[2025-09-06 08:45:55] [info] | Total Pins | 674946 | 334212 |
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Pin to Net Mapping Percentage
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Total Schematic Instances: 44901
[2025-09-06 08:45:55] [info] Matched Instances: 44788
[2025-09-06 08:45:55] [info] Match Percentage: 99.75%

[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Short and Open Checks
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Short Circuits: None Detected
[2025-09-06 08:45:55] [info] Open Circuits: Open Detected

[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Performance Metrics
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] | Stage | Time Taken |
[2025-09-06 08:45:55] [info] |-----|-----|
[2025-09-06 08:45:55] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 08:45:55] [info] | Connectivity Extraction | 33 minutes 52 seconds |
[2025-09-06 08:45:55] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 08:45:55] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Additional Details
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 08:45:55] [info] Hierarchical Cells: Flattened
[2025-09-06 08:45:55] [info] Database Format: GDSII
[2025-09-06 08:45:55] [info] Verification Mode: Full Check
[2025-09-06 08:45:55] [info] Error Reporting: Enabled

[2025-09-06 08:45:55] [info] -----

```

```

[2025-09-06 08:45:55] [info]                Type of Errors | Count
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] DB_WARN -> 1
[2025-09-06 08:45:55] [info] LRF_ERR001 -> 14
[2025-09-06 08:45:55] [info] DB_WARN002 -> 157
[2025-09-06 08:45:55] [info] DB_WARN003 -> 159
[2025-09-06 08:45:55] [info] VERI_WARN012 -> 113
[2025-09-06 08:45:55] [info] LVS_ERR018 -> 6
[2025-09-06 08:45:55] [info] LVS_ERR019 -> 502
[2025-09-06 08:45:55] [info] LVS_ERR003 -> 490
[2025-09-06 08:45:55] [info] ERC_ERR003 -> 490
[2025-09-06 08:45:55] [info] LVS_ERR005 -> 113
[2025-09-06 08:45:55] [info] LVS_ERR030 -> 1
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info]                Summary
[2025-09-06 08:45:55] [info] -----
[2025-09-06 08:45:55] [info] LVS Status:                PASSED
[2025-09-06 08:45:55] [info] Instance Match Percentage: 99.75%
[2025-09-06 08:45:55] [info] Short Circuits:           None Detected
[2025-09-06 08:45:55] [info] Open Circuits:            Open Detected
[2025-09-06 08:45:55] [info] Unconnected Pins:         602
[2025-09-06 08:45:55] [info] Total Errors:              1616
[2025-09-06 08:45:55] [info] Total Warnings:           430
[2025-09-06 08:45:55] [info] Critical Issues:          None

```

```

[2025-09-06 09:12:34] [info] =====
[2025-09-06 09:12:34] [info]             Layout Versus Schematic Report
[2025-09-06 09:12:34] [info] =====

[2025-09-06 09:12:34] [info] Report Generated:    2025-09-06
[2025-09-06 09:12:34] [info] Run Start Time:      08:46:15 AM
[2025-09-06 09:12:34] [info] Run End Time:        09:12:34 AM
[2025-09-06 09:12:34] [info] Time Taken:          26 minutes 33 seconds

[2025-09-06 09:12:34] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:12:34] [info] Host Name:           kuro-Workstation
[2025-09-06 09:12:34] [info] User Name:           kuro
[2025-09-06 09:12:34] [info] Cores Used:          1
[2025-09-06 09:12:34] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]             Top Cell Match
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 09:12:34] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]             Netlist Statistics
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:12:34] [info] |-----|-----|-----|
[2025-09-06 09:12:34] [info] | Total Nets             | 57107       | 57219       |
[2025-09-06 09:12:34] [info] | Total Instances        | 646154      | 44825       |
[2025-09-06 09:12:34] [info] | Total Pins             | 625409      | 333756      |
[2025-09-06 09:12:34] [info] |-----|-----|-----|
[2025-09-06 09:12:34] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] Total Schematic Instances:    44825
[2025-09-06 09:12:34] [info] Matched Instances:           44712
[2025-09-06 09:12:34] [info] Match Percentage: 99.75%

[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]             Short and Open Checks
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] Short Circuits:             None Detected
[2025-09-06 09:12:34] [info] Open Circuits:              Open Detected

[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]             Performance Metrics
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] | Stage                    | Time Taken |
[2025-09-06 09:12:34] [info] |-----|-----|
[2025-09-06 09:12:34] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 09:12:34] [info] | Connectivity Extraction   | 26 minutes 12 seconds |
[2025-09-06 09:12:34] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 09:12:34] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]             Additional Details
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 09:12:34] [info] Hierarchical Cells:        Flattened
[2025-09-06 09:12:34] [info] Database Format:            GDSII
[2025-09-06 09:12:34] [info] Verification Mode:         Full Check
[2025-09-06 09:12:34] [info] Error Reporting:           Enabled

[2025-09-06 09:12:34] [info] -----

```

```

[2025-09-06 09:12:34] [info]                                Type of Errors | Count
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] DB_WARN -> 1
[2025-09-06 09:12:34] [info] LRF_ERR001 -> 14
[2025-09-06 09:12:34] [info] DB_WARN002 -> 152
[2025-09-06 09:12:34] [info] DB_WARN003 -> 155
[2025-09-06 09:12:34] [info] VERI_WARN012 -> 113
[2025-09-06 09:12:34] [info] LVS_ERR018 -> 11
[2025-09-06 09:12:34] [info] LVS_ERR019 -> 450
[2025-09-06 09:12:34] [info] LVS_ERR003 -> 438
[2025-09-06 09:12:34] [info] ERC_ERR003 -> 438
[2025-09-06 09:12:34] [info] LVS_ERR005 -> 113
[2025-09-06 09:12:34] [info] LVS_ERR030 -> 1
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info]                                Summary
[2025-09-06 09:12:34] [info] -----
[2025-09-06 09:12:34] [info] LVS Status:                PASSED
[2025-09-06 09:12:34] [info] Instance Match Percentage: 99.75%
[2025-09-06 09:12:34] [info] Short Circuits:            None Detected
[2025-09-06 09:12:34] [info] Open Circuits:             Open Detected
[2025-09-06 09:12:34] [info] Unconnected Pins:          550
[2025-09-06 09:12:34] [info] Total Errors:               1465
[2025-09-06 09:12:34] [info] Total Warnings:             421
[2025-09-06 09:12:34] [info] Critical Issues:           None

```

```

[2025-09-06 09:15:14] [info] =====
[2025-09-06 09:15:14] [info]             Layout Versus Schematic Report
[2025-09-06 09:15:14] [info] =====

[2025-09-06 09:15:14] [info] Report Generated:    2025-09-06
[2025-09-06 09:15:14] [info] Run Start Time:      09:12:47 AM
[2025-09-06 09:15:14] [info] Run End Time:        09:15:14 AM
[2025-09-06 09:15:14] [info] Time Taken:          2 minutes 34 seconds

[2025-09-06 09:15:14] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:15:14] [info] Host Name:           kuro-Workstation
[2025-09-06 09:15:14] [info] User Name:           kuro
[2025-09-06 09:15:14] [info] Cores Used:          4
[2025-09-06 09:15:14] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]             Top Cell Match
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 09:15:14] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]             Netlist Statistics
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:15:14] [info] |-----|-----|-----|
[2025-09-06 09:15:14] [info] | Total Nets             | 25673       | 25678       |
[2025-09-06 09:15:14] [info] | Total Instances        | 353042      | 25409       |
[2025-09-06 09:15:14] [info] | Total Pins             | 300090      | 183701      |
[2025-09-06 09:15:14] [info] |-----|-----|-----|
[2025-09-06 09:15:14] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] Total Schematic Instances:    25409
[2025-09-06 09:15:14] [info] Matched Instances:           25406
[2025-09-06 09:15:14] [info] Match Percentage: 99.99%

[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]             Short and Open Checks
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] Short Circuits:      None Detected
[2025-09-06 09:15:14] [info] Open Circuits:       None Detected

[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]             Performance Metrics
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] | Stage                | Time Taken |
[2025-09-06 09:15:14] [info] |-----|-----|
[2025-09-06 09:15:14] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:15:14] [info] | Connectivity Extraction | 2 minutes 24 seconds |
[2025-09-06 09:15:14] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:15:14] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]             Additional Details
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:15:14] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:15:14] [info] Database Format:       GDSII
[2025-09-06 09:15:14] [info] Verification Mode:    Full Check
[2025-09-06 09:15:14] [info] Error Reporting:      Enabled

[2025-09-06 09:15:14] [info] -----

```

```
[2025-09-06 09:15:14] [info]                                Type of Errors | Count
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] DB_WARN -> 1
[2025-09-06 09:15:14] [info] LRF_ERROR01 -> 14
[2025-09-06 09:15:14] [info] DB_WARN002 -> 144
[2025-09-06 09:15:14] [info] DB_WARN003 -> 137
[2025-09-06 09:15:14] [info] VERI_WARN012 -> 41
[2025-09-06 09:15:14] [info] LVS_ERROR19 -> 18
[2025-09-06 09:15:14] [info] LVS_ERROR03 -> 18
[2025-09-06 09:15:14] [info] ERC_ERROR03 -> 18
[2025-09-06 09:15:14] [info] LVS_ERROR05 -> 3
[2025-09-06 09:15:14] [info] LVS_ERROR30 -> 1
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info]                                Summary
[2025-09-06 09:15:14] [info] -----
[2025-09-06 09:15:14] [info] LVS Status:                PASSED
[2025-09-06 09:15:14] [info] Instance Match Percentage: 99.99%
[2025-09-06 09:15:14] [info] Short Circuits:            None Detected
[2025-09-06 09:15:14] [info] Open Circuits:             None Detected
[2025-09-06 09:15:14] [info] Unconnected Pins:          118
[2025-09-06 09:15:14] [info] Total Errors:               72
[2025-09-06 09:15:14] [info] Total Warnings:             323
[2025-09-06 09:15:14] [info] Critical Issues:           None
```

```

[2025-09-06 09:19:10] [info] =====
[2025-09-06 09:19:10] [info] Layout Versus Schematic Report
[2025-09-06 09:19:10] [info] =====

[2025-09-06 09:19:10] [info] Report Generated: 2025-09-06
[2025-09-06 09:19:10] [info] Run Start Time: 09:15:25 AM
[2025-09-06 09:19:10] [info] Run End Time: 09:19:10 AM
[2025-09-06 09:19:10] [info] Time Taken: 3 minutes 53 seconds

[2025-09-06 09:19:10] [info] Tool Version: LVR_2025.1
[2025-09-06 09:19:10] [info] Host Name: kuro-Workstation
[2025-09-06 09:19:10] [info] User Name: kuro
[2025-09-06 09:19:10] [info] Cores Used: 4
[2025-09-06 09:19:10] [info] Memory Utilized: 3444.20 MB / 62.569705963134766 GB

[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Top Cell Match
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 09:19:10] [info] Schematic Top Cell: aes_cipher_top2_sky130hd
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Netlist Statistics
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] | Metric | Layout | Schematic |
[2025-09-06 09:19:10] [info] |-----|-----|-----|
[2025-09-06 09:19:10] [info] | Total Nets | 25660 | 25665 |
[2025-09-06 09:19:10] [info] | Total Instances | 423815 | 25396 |
[2025-09-06 09:19:10] [info] | Total Pins | 314679 | 183623 |
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Pin to Net Mapping Percentage
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Total Schematic Instances: 25396
[2025-09-06 09:19:10] [info] Matched Instances: 25393
[2025-09-06 09:19:10] [info] Match Percentage: 99.99%

[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Short and Open Checks
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Short Circuits: None Detected
[2025-09-06 09:19:10] [info] Open Circuits: None Detected

[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Performance Metrics
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] | Stage | Time Taken |
[2025-09-06 09:19:10] [info] |-----|-----|
[2025-09-06 09:19:10] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 09:19:10] [info] | Connectivity Extraction | 3 minutes 42 seconds |
[2025-09-06 09:19:10] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 09:19:10] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Additional Details
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 09:19:10] [info] Hierarchical Cells: Flattened
[2025-09-06 09:19:10] [info] Database Format: GDSII
[2025-09-06 09:19:10] [info] Verification Mode: Full Check
[2025-09-06 09:19:10] [info] Error Reporting: Enabled

[2025-09-06 09:19:10] [info] -----

```

```

[2025-09-06 09:19:10] [info]                                Type of Errors | Count
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] DB_WARN -> 1
[2025-09-06 09:19:10] [info] LRF_ERROR01 -> 14
[2025-09-06 09:19:10] [info] DB_WARN002 -> 141
[2025-09-06 09:19:10] [info] DB_WARN003 -> 135
[2025-09-06 09:19:10] [info] VERI_WARN012 -> 39
[2025-09-06 09:19:10] [info] LVS_ERROR19 -> 12
[2025-09-06 09:19:10] [info] LVS_ERROR03 -> 12
[2025-09-06 09:19:10] [info] ERC_ERROR03 -> 12
[2025-09-06 09:19:10] [info] LVS_ERROR05 -> 3
[2025-09-06 09:19:10] [info] LVS_ERROR30 -> 1
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info]                                Summary
[2025-09-06 09:19:10] [info] -----
[2025-09-06 09:19:10] [info] LVS Status:                PASSED
[2025-09-06 09:19:10] [info] Instance Match Percentage: 99.99%
[2025-09-06 09:19:10] [info] Short Circuits:           None Detected
[2025-09-06 09:19:10] [info] Open Circuits:            None Detected
[2025-09-06 09:19:10] [info] Unconnected Pins:         112
[2025-09-06 09:19:10] [info] Total Errors:              54
[2025-09-06 09:19:10] [info] Total Warnings:            316
[2025-09-06 09:19:10] [info] Critical Issues:           None

```

```

[2025-09-06 09:21:35] [info] =====
[2025-09-06 09:21:35] [info]             Layout Versus Schematic Report
[2025-09-06 09:21:35] [info] =====

[2025-09-06 09:21:35] [info] Report Generated:    2025-09-06
[2025-09-06 09:21:35] [info] Run Start Time:      09:19:18 AM
[2025-09-06 09:21:35] [info] Run End Time:        09:21:34 AM
[2025-09-06 09:21:35] [info] Time Taken:          2 minutes 21 seconds

[2025-09-06 09:21:35] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:21:35] [info] Host Name:           kuro-Workstation
[2025-09-06 09:21:35] [info] User Name:           kuro
[2025-09-06 09:21:35] [info] Cores Used:          4
[2025-09-06 09:21:35] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]             Top Cell Match
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 09:21:35] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]             Netlist Statistics
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:21:35] [info] |-----|-----|-----|
[2025-09-06 09:21:35] [info] | Total Nets             | 25146       | 25151       |
[2025-09-06 09:21:35] [info] | Total Instances        | 318921      | 24882       |
[2025-09-06 09:21:35] [info] | Total Pins             | 285259      | 180539      |
[2025-09-06 09:21:35] [info] |-----|-----|-----|
[2025-09-06 09:21:35] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] Total Schematic Instances:    24882
[2025-09-06 09:21:35] [info] Matched Instances:           24879
[2025-09-06 09:21:35] [info] Match Percentage: 99.99%

[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]             Short and Open Checks
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] Short Circuits:      None Detected
[2025-09-06 09:21:35] [info] Open Circuits:       None Detected

[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]             Performance Metrics
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] | Stage                | Time Taken |
[2025-09-06 09:21:35] [info] |-----|-----|
[2025-09-06 09:21:35] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 09:21:35] [info] | Connectivity Extraction | 2 minutes 13 seconds |
[2025-09-06 09:21:35] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 09:21:35] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]             Additional Details
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:21:35] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:21:35] [info] Database Format:       GDSII
[2025-09-06 09:21:35] [info] Verification Mode:    Full Check
[2025-09-06 09:21:35] [info] Error Reporting:      Enabled

[2025-09-06 09:21:35] [info] -----

```

```

[2025-09-06 09:21:35] [info]                                Type of Errors | Count
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] DB_WARN -> 1
[2025-09-06 09:21:35] [info] LRF_ERROR01 -> 14
[2025-09-06 09:21:35] [info] DB_WARN002 -> 138
[2025-09-06 09:21:35] [info] DB_WARN003 -> 132
[2025-09-06 09:21:35] [info] VERI_WARN012 -> 36
[2025-09-06 09:21:35] [info] LVS_ERROR19 -> 12
[2025-09-06 09:21:35] [info] LVS_ERROR03 -> 12
[2025-09-06 09:21:35] [info] ERC_ERROR03 -> 12
[2025-09-06 09:21:35] [info] LVS_ERROR05 -> 3
[2025-09-06 09:21:35] [info] LVS_ERROR30 -> 1
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info]                                Summary
[2025-09-06 09:21:35] [info] -----
[2025-09-06 09:21:35] [info] LVS Status:                PASSED
[2025-09-06 09:21:35] [info] Instance Match Percentage: 99.99%
[2025-09-06 09:21:35] [info] Short Circuits:           None Detected
[2025-09-06 09:21:35] [info] Open Circuits:           None Detected
[2025-09-06 09:21:35] [info] Unconnected Pins:         112
[2025-09-06 09:21:35] [info] Total Errors:             54
[2025-09-06 09:21:35] [info] Total Warnings:          307
[2025-09-06 09:21:35] [info] Critical Issues:         None

```

```

[2025-09-06 09:12:39] [info] =====
[2025-09-06 09:12:39] [info]             Layout Versus Schematic Report
[2025-09-06 09:12:39] [info] =====

[2025-09-06 09:12:39] [info] Report Generated:    2025-09-06
[2025-09-06 09:12:39] [info] Run Start Time:      09:12:39 AM
[2025-09-06 09:12:39] [info] Run End Time:        09:12:39 AM
[2025-09-06 09:12:39] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:12:39] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:12:39] [info] Host Name:           kuro-Workstation
[2025-09-06 09:12:39] [info] User Name:           kuro
[2025-09-06 09:12:39] [info] Cores Used:          4
[2025-09-06 09:12:39] [info] Memory Utilized:     38.46 MB / 62.569705963134766 GB

[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]             Top Cell Match
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 09:12:39] [info] Schematic Top Cell:  gcd1_sky130hd
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]             Netlist Statistics
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:12:39] [info] |-----|-----|-----|
[2025-09-06 09:12:39] [info] | Total Nets             | 389         | 391         |
[2025-09-06 09:12:39] [info] | Total Instances        | 4312        | 351         |
[2025-09-06 09:12:39] [info] | Total Pins             | 4063        | 2481        |
[2025-09-06 09:12:39] [info] |-----|-----|-----|
[2025-09-06 09:12:39] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] Total Schematic Instances:    351
[2025-09-06 09:12:39] [info] Matched Instances:           351
[2025-09-06 09:12:39] [info] Match Percentage: 100.00%

[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]             Short and Open Checks
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] Short Circuits:      None Detected
[2025-09-06 09:12:39] [info] Open Circuits:       None Detected

[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]             Performance Metrics
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] | Stage                | Time Taken |
[2025-09-06 09:12:39] [info] |-----|-----|
[2025-09-06 09:12:39] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:12:39] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:12:39] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:12:39] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]             Additional Details
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:12:39] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:12:39] [info] Database Format:       GDSII
[2025-09-06 09:12:39] [info] Verification Mode:    Full Check
[2025-09-06 09:12:39] [info] Error Reporting:      Enabled

[2025-09-06 09:12:39] [info] -----

```

```
[2025-09-06 09:12:39] [info]                Type of Errors | Count
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] DB_WARN -> 1
[2025-09-06 09:12:39] [info] LRF_ERR001 -> 14
[2025-09-06 09:12:39] [info] DB_WARN002 -> 58
[2025-09-06 09:12:39] [info] DB_WARN003 -> 55
[2025-09-06 09:12:39] [info] VERI_WARN012 -> 4
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info]                Summary
[2025-09-06 09:12:39] [info] -----
[2025-09-06 09:12:39] [info] LVS Status:                PASSED
[2025-09-06 09:12:39] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:12:39] [info] Short Circuits:            None Detected
[2025-09-06 09:12:39] [info] Open Circuits:             None Detected
[2025-09-06 09:12:39] [info] Unconnected Pins:          100
[2025-09-06 09:12:39] [info] Total Errors:               14
[2025-09-06 09:12:39] [info] Total Warnings:              118
[2025-09-06 09:12:39] [info] Critical Issues:            None
```

```

[2025-09-06 09:12:40] [info] =====
[2025-09-06 09:12:40] [info]             Layout Versus Schematic Report
[2025-09-06 09:12:40] [info] =====

[2025-09-06 09:12:40] [info] Report Generated:    2025-09-06
[2025-09-06 09:12:40] [info] Run Start Time:      09:12:39 AM
[2025-09-06 09:12:40] [info] Run End Time:        09:12:40 AM
[2025-09-06 09:12:40] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:12:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:12:40] [info] Host Name:           kuro-Workstation
[2025-09-06 09:12:40] [info] User Name:           kuro
[2025-09-06 09:12:40] [info] Cores Used:          4
[2025-09-06 09:12:40] [info] Memory Utilized:     43.01 MB / 62.569705963134766 GB

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Top Cell Match
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 09:12:40] [info] Schematic Top Cell:  gcd2_sky130hd
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Netlist Statistics
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:12:40] [info] |-----|-----|-----|
[2025-09-06 09:12:40] [info] | Total Nets             | 353         | 355         |
[2025-09-06 09:12:40] [info] | Total Instances        | 4768        | 315         |
[2025-09-06 09:12:40] [info] | Total Pins             | 3854        | 2265        |
[2025-09-06 09:12:40] [info] |-----|-----|-----|
[2025-09-06 09:12:40] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Total Schematic Instances:    315
[2025-09-06 09:12:40] [info] Matched Instances:           315
[2025-09-06 09:12:40] [info] Match Percentage: 100.00%

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Short and Open Checks
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Short Circuits:      None Detected
[2025-09-06 09:12:40] [info] Open Circuits:       None Detected

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Performance Metrics
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] | Stage                | Time Taken |
[2025-09-06 09:12:40] [info] |-----|-----|
[2025-09-06 09:12:40] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Additional Details
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:12:40] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:12:40] [info] Database Format:       GDSII
[2025-09-06 09:12:40] [info] Verification Mode:    Full Check
[2025-09-06 09:12:40] [info] Error Reporting:      Enabled

[2025-09-06 09:12:40] [info] -----

```

```
[2025-09-06 09:12:40] [info]                Type of Errors | Count
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] DB_WARN -> 1
[2025-09-06 09:12:40] [info] LRF_ERR001 -> 14
[2025-09-06 09:12:40] [info] DB_WARN002 -> 59
[2025-09-06 09:12:40] [info] DB_WARN003 -> 56
[2025-09-06 09:12:40] [info] VERI_WARN012 -> 5
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]                Summary
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] LVS Status:                PASSED
[2025-09-06 09:12:40] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:12:40] [info] Short Circuits:           None Detected
[2025-09-06 09:12:40] [info] Open Circuits:            None Detected
[2025-09-06 09:12:40] [info] Unconnected Pins:         100
[2025-09-06 09:12:40] [info] Total Errors:              14
[2025-09-06 09:12:40] [info] Total Warnings:            121
[2025-09-06 09:12:40] [info] Critical Issues:           None
```

```

[2025-09-06 09:12:40] [info] =====
[2025-09-06 09:12:40] [info]             Layout Versus Schematic Report
[2025-09-06 09:12:40] [info] =====

[2025-09-06 09:12:40] [info] Report Generated:    2025-09-06
[2025-09-06 09:12:40] [info] Run Start Time:      09:12:40 AM
[2025-09-06 09:12:40] [info] Run End Time:        09:12:40 AM
[2025-09-06 09:12:40] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:12:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:12:40] [info] Host Name:           kuro-Workstation
[2025-09-06 09:12:40] [info] User Name:           kuro
[2025-09-06 09:12:40] [info] Cores Used:          4
[2025-09-06 09:12:40] [info] Memory Utilized:     32.48 MB / 62.569705963134766 GB

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Top Cell Match
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 09:12:40] [info] Schematic Top Cell:  gcd3_sky130hd
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Netlist Statistics
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:12:40] [info] |-----|-----|-----|
[2025-09-06 09:12:40] [info] | Total Nets             | 360         | 362         |
[2025-09-06 09:12:40] [info] | Total Instances        | 3829        | 322         |
[2025-09-06 09:12:40] [info] | Total Pins             | 3692        | 2307        |
[2025-09-06 09:12:40] [info] |-----|-----|-----|
[2025-09-06 09:12:40] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Total Schematic Instances:    322
[2025-09-06 09:12:40] [info] Matched Instances:           322
[2025-09-06 09:12:40] [info] Match Percentage: 100.00%

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Short and Open Checks
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Short Circuits:      None Detected
[2025-09-06 09:12:40] [info] Open Circuits:       None Detected

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Performance Metrics
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] | Stage                | Time Taken |
[2025-09-06 09:12:40] [info] |-----|-----|
[2025-09-06 09:12:40] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:12:40] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]             Additional Details
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:12:40] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:12:40] [info] Database Format:       GDSII
[2025-09-06 09:12:40] [info] Verification Mode:    Full Check
[2025-09-06 09:12:40] [info] Error Reporting:      Enabled

[2025-09-06 09:12:40] [info] -----

```

```
[2025-09-06 09:12:40] [info]                Type of Errors | Count
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] DB_WARN -> 1
[2025-09-06 09:12:40] [info] LRF_ERR001 -> 14
[2025-09-06 09:12:40] [info] DB_WARN002 -> 59
[2025-09-06 09:12:40] [info] DB_WARN003 -> 56
[2025-09-06 09:12:40] [info] VERI_WARN012 -> 6
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info]                Summary
[2025-09-06 09:12:40] [info] -----
[2025-09-06 09:12:40] [info] LVS Status:                PASSED
[2025-09-06 09:12:40] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:12:40] [info] Short Circuits:            None Detected
[2025-09-06 09:12:40] [info] Open Circuits:             None Detected
[2025-09-06 09:12:40] [info] Unconnected Pins:          100
[2025-09-06 09:12:40] [info] Total Errors:               14
[2025-09-06 09:12:40] [info] Total Warnings:              122
[2025-09-06 09:12:40] [info] Critical Issues:            None
```

```

[2025-09-06 09:23:39] [info] =====
[2025-09-06 09:23:39] [info]             Layout Versus Schematic Report
[2025-09-06 09:23:39] [info] =====

[2025-09-06 09:23:39] [info] Report Generated:    2025-09-06
[2025-09-06 09:23:39] [info] Run Start Time:      09:21:42 AM
[2025-09-06 09:23:39] [info] Run End Time:        09:23:39 AM
[2025-09-06 09:23:39] [info] Time Taken:          2 minutes 2 seconds

[2025-09-06 09:23:39] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:23:39] [info] Host Name:           kuro-Workstation
[2025-09-06 09:23:39] [info] User Name:           kuro
[2025-09-06 09:23:39] [info] Cores Used:          4
[2025-09-06 09:23:39] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Top Cell Match
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 09:23:39] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Netlist Statistics
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:23:39] [info] |-----|-----|-----|
[2025-09-06 09:23:39] [info] | Total Nets             | 21317       | 21319       |
[2025-09-06 09:23:39] [info] | Total Instances        | 281049      | 21165       |
[2025-09-06 09:23:39] [info] | Total Pins             | 281287      | 153642      |
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] Total Schematic Instances:    21165
[2025-09-06 09:23:39] [info] Matched Instances:           21154
[2025-09-06 09:23:39] [info] Match Percentage: 99.95%

[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Short and Open Checks
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] Short Circuits:             None Detected
[2025-09-06 09:23:39] [info] Open Circuits:              None Detected

[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Performance Metrics
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] | Stage                    | Time Taken |
[2025-09-06 09:23:39] [info] |-----|-----|
[2025-09-06 09:23:39] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 09:23:39] [info] | Connectivity Extraction   | 1 minutes 54 seconds |
[2025-09-06 09:23:39] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 09:23:39] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]             Additional Details
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 09:23:39] [info] Hierarchical Cells:        Flattened
[2025-09-06 09:23:39] [info] Database Format:            GDSII
[2025-09-06 09:23:39] [info] Verification Mode:         Full Check
[2025-09-06 09:23:39] [info] Error Reporting:           Enabled

[2025-09-06 09:23:39] [info] -----

```

```

[2025-09-06 09:23:39] [info]                                Type of Errors | Count
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] DB_WARN -> 1
[2025-09-06 09:23:39] [info] LRF_ERR001 -> 14
[2025-09-06 09:23:39] [info] DB_WARN002 -> 251
[2025-09-06 09:23:39] [info] DB_WARN003 -> 251
[2025-09-06 09:23:39] [info] VERI_WARN012 -> 34
[2025-09-06 09:23:39] [info] LVS_ERR019 -> 38
[2025-09-06 09:23:39] [info] ERC_ERR001 -> 4
[2025-09-06 09:23:39] [info] LVS_ERR003 -> 13
[2025-09-06 09:23:39] [info] ERC_ERR003 -> 13
[2025-09-06 09:23:39] [info] LVS_ERR005 -> 11
[2025-09-06 09:23:39] [info] LVS_ERR030 -> 1
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info]                                Summary
[2025-09-06 09:23:39] [info] -----
[2025-09-06 09:23:39] [info] LVS Status:                PASSED
[2025-09-06 09:23:39] [info] Instance Match Percentage: 99.95%
[2025-09-06 09:23:39] [info] Short Circuits:           None Detected
[2025-09-06 09:23:39] [info] Open Circuits:            None Detected
[2025-09-06 09:23:39] [info] Unconnected Pins:         138
[2025-09-06 09:23:39] [info] Total Errors:              94
[2025-09-06 09:23:39] [info] Total Warnings:           537
[2025-09-06 09:23:39] [info] Critical Issues:          None

```

```

[2025-09-06 09:25:48] [info] =====
[2025-09-06 09:25:48] [info]           Layout Versus Schematic Report
[2025-09-06 09:25:48] [info] =====

[2025-09-06 09:25:48] [info] Report Generated:    2025-09-06
[2025-09-06 09:25:48] [info] Run Start Time:      09:23:46 AM
[2025-09-06 09:25:48] [info] Run End Time:        09:25:48 AM
[2025-09-06 09:25:48] [info] Time Taken:          2 minutes 7 seconds

[2025-09-06 09:25:48] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:25:48] [info] Host Name:           kuro-Workstation
[2025-09-06 09:25:48] [info] User Name:           kuro
[2025-09-06 09:25:48] [info] Cores Used:           4
[2025-09-06 09:25:48] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]           Top Cell Match
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 09:25:48] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]           Netlist Statistics
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:25:48] [info] |-----|-----|-----|
[2025-09-06 09:25:48] [info] | Total Nets             | 21096       | 21098       |
[2025-09-06 09:25:48] [info] | Total Instances        | 293160      | 20944        |
[2025-09-06 09:25:48] [info] | Total Pins             | 281372      | 152316       |
[2025-09-06 09:25:48] [info] |-----|-----|-----|
[2025-09-06 09:25:48] [info]           Pin to Net Mapping Percentage
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] Total Schematic Instances: 20944
[2025-09-06 09:25:48] [info] Matched Instances:        20932
[2025-09-06 09:25:48] [info] Match Percentage: 99.94%

[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]           Short and Open Checks
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] Short Circuits:        None Detected
[2025-09-06 09:25:48] [info] Open Circuits:         Open Detected

[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]           Performance Metrics
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] | Stage                  | Time Taken |
[2025-09-06 09:25:48] [info] |-----|-----|
[2025-09-06 09:25:48] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 09:25:48] [info] | Connectivity Extraction  | 1 minutes 58 seconds |
[2025-09-06 09:25:48] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 09:25:48] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]           Additional Details
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 09:25:48] [info] Hierarchical Cells:    Flattened
[2025-09-06 09:25:48] [info] Database Format:        GDSII
[2025-09-06 09:25:48] [info] Verification Mode:     Full Check
[2025-09-06 09:25:48] [info] Error Reporting:       Enabled

[2025-09-06 09:25:48] [info] -----

```

```

[2025-09-06 09:25:48] [info]                                     Type of Errors | Count
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] DB_WARN -> 1
[2025-09-06 09:25:48] [info] LRF_ERR001 -> 14
[2025-09-06 09:25:48] [info] DB_WARN002 -> 249
[2025-09-06 09:25:48] [info] DB_WARN003 -> 249
[2025-09-06 09:25:48] [info] VERI_WARN012 -> 31
[2025-09-06 09:25:48] [info] LVS_ERR018 -> 2
[2025-09-06 09:25:48] [info] LVS_ERR019 -> 32
[2025-09-06 09:25:48] [info] ERC_ERR001 -> 4
[2025-09-06 09:25:48] [info] LVS_ERR003 -> 11
[2025-09-06 09:25:48] [info] ERC_ERR003 -> 11
[2025-09-06 09:25:48] [info] LVS_ERR005 -> 12
[2025-09-06 09:25:48] [info] LVS_ERR030 -> 1
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info]                                     Summary
[2025-09-06 09:25:48] [info] -----
[2025-09-06 09:25:48] [info] LVS Status:                PASSED
[2025-09-06 09:25:48] [info] Instance Match Percentage: 99.94%
[2025-09-06 09:25:48] [info] Short Circuits:           None Detected
[2025-09-06 09:25:48] [info] Open Circuits:            Open Detected
[2025-09-06 09:25:48] [info] Unconnected Pins:         132
[2025-09-06 09:25:48] [info] Total Errors:              87
[2025-09-06 09:25:48] [info] Total Warnings:            530
[2025-09-06 09:25:48] [info] Critical Issues:          None

```

```

[2025-09-06 09:27:51] [info] =====
[2025-09-06 09:27:51] [info]             Layout Versus Schematic Report
[2025-09-06 09:27:51] [info] =====

[2025-09-06 09:27:51] [info] Report Generated:    2025-09-06
[2025-09-06 09:27:51] [info] Run Start Time:      09:25:55 AM
[2025-09-06 09:27:51] [info] Run End Time:        09:27:51 AM
[2025-09-06 09:27:51] [info] Time Taken:          2 minutes 0 seconds

[2025-09-06 09:27:51] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:27:51] [info] Host Name:           kuro-Workstation
[2025-09-06 09:27:51] [info] User Name:           kuro
[2025-09-06 09:27:51] [info] Cores Used:          4
[2025-09-06 09:27:51] [info] Memory Utilized:     2577.80 MB / 62.569705963134766 GB

[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]             Top Cell Match
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 09:27:51] [info] Schematic Top Cell:  ibex_core3_sky130hd
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]             Netlist Statistics
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:27:51] [info] |-----|-----|-----|
[2025-09-06 09:27:51] [info] | Total Nets             | 19194       | 19196       |
[2025-09-06 09:27:51] [info] | Total Instances        | 300437      | 19042       |
[2025-09-06 09:27:51] [info] | Total Pins             | 256833      | 140904      |
[2025-09-06 09:27:51] [info] |-----|-----|-----|
[2025-09-06 09:27:51] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] Total Schematic Instances: 19042
[2025-09-06 09:27:51] [info] Matched Instances:        19033
[2025-09-06 09:27:51] [info] Match Percentage: 99.95%

[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]             Short and Open Checks
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] Short Circuits:        None Detected
[2025-09-06 09:27:51] [info] Open Circuits:         Open Detected

[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]             Performance Metrics
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] | Stage                  | Time Taken |
[2025-09-06 09:27:51] [info] |-----|-----|
[2025-09-06 09:27:51] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 09:27:51] [info] | Connectivity Extraction | 1 minutes 52 seconds |
[2025-09-06 09:27:51] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 09:27:51] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]             Additional Details
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 09:27:51] [info] Hierarchical Cells:    Flattened
[2025-09-06 09:27:51] [info] Database Format:        GDSII
[2025-09-06 09:27:51] [info] Verification Mode:     Full Check
[2025-09-06 09:27:51] [info] Error Reporting:       Enabled

[2025-09-06 09:27:51] [info] -----

```

```

[2025-09-06 09:27:51] [info]                                     Type of Errors | Count
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] DB_WARN -> 1
[2025-09-06 09:27:51] [info] LRF_ERR001 -> 14
[2025-09-06 09:27:51] [info] DB_WARN002 -> 253
[2025-09-06 09:27:51] [info] DB_WARN003 -> 251
[2025-09-06 09:27:51] [info] VERI_WARN012 -> 53
[2025-09-06 09:27:51] [info] LVS_ERR018 -> 5
[2025-09-06 09:27:51] [info] LVS_ERR019 -> 31
[2025-09-06 09:27:51] [info] LVS_ERR003 -> 11
[2025-09-06 09:27:51] [info] ERC_ERR003 -> 11
[2025-09-06 09:27:51] [info] ERC_ERR001 -> 2
[2025-09-06 09:27:51] [info] LVS_ERR005 -> 9
[2025-09-06 09:27:51] [info] LVS_ERR030 -> 1
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info]                                     Summary
[2025-09-06 09:27:51] [info] -----
[2025-09-06 09:27:51] [info] LVS Status:                PASSED
[2025-09-06 09:27:51] [info] Instance Match Percentage: 99.95%
[2025-09-06 09:27:51] [info] Short Circuits:           None Detected
[2025-09-06 09:27:51] [info] Open Circuits:            Open Detected
[2025-09-06 09:27:51] [info] Unconnected Pins:         131
[2025-09-06 09:27:51] [info] Total Errors:              84
[2025-09-06 09:27:51] [info] Total Warnings:           558
[2025-09-06 09:27:51] [info] Critical Issues:          None

```

```

[2025-09-06 09:37:13] [info] =====
[2025-09-06 09:37:13] [info]           Layout Versus Schematic Report
[2025-09-06 09:37:13] [info] =====

[2025-09-06 09:37:13] [info] Report Generated:    2025-09-06
[2025-09-06 09:37:13] [info] Run Start Time:      09:28:09 AM
[2025-09-06 09:37:13] [info] Run End Time:        09:37:13 AM
[2025-09-06 09:37:13] [info] Time Taken:          9 minutes 20 seconds

[2025-09-06 09:37:13] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:37:13] [info] Host Name:           kuro-Workstation
[2025-09-06 09:37:13] [info] User Name:           kuro
[2025-09-06 09:37:13] [info] Cores Used:          4
[2025-09-06 09:37:13] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]           Top Cell Match
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 09:37:13] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]           Netlist Statistics
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:37:13] [info] |-----|-----|-----|
[2025-09-06 09:37:13] [info] | Total Nets             | 57241       | 57353       |
[2025-09-06 09:37:13] [info] | Total Instances        | 726048      | 44959        |
[2025-09-06 09:37:13] [info] | Total Pins             | 645641      | 334560       |
[2025-09-06 09:37:13] [info] |-----|-----|-----|
[2025-09-06 09:37:13] [info]           Pin to Net Mapping Percentage
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] Total Schematic Instances:    44959
[2025-09-06 09:37:13] [info] Matched Instances:           44846
[2025-09-06 09:37:13] [info] Match Percentage: 99.75%

[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]           Short and Open Checks
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] Short Circuits:      None Detected
[2025-09-06 09:37:13] [info] Open Circuits:       Open Detected

[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]           Performance Metrics
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] | Stage                | Time Taken |
[2025-09-06 09:37:13] [info] |-----|-----|
[2025-09-06 09:37:13] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 09:37:13] [info] | Connectivity Extraction | 8 minutes 57 seconds |
[2025-09-06 09:37:13] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 09:37:13] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]           Additional Details
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:37:13] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:37:13] [info] Database Format:       GDSII
[2025-09-06 09:37:13] [info] Verification Mode:    Full Check
[2025-09-06 09:37:13] [info] Error Reporting:      Enabled

[2025-09-06 09:37:13] [info] -----

```

```

[2025-09-06 09:37:13] [info]                                Type of Errors | Count
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] DB_WARN -> 1
[2025-09-06 09:37:13] [info] LRF_ERR001 -> 14
[2025-09-06 09:37:13] [info] DB_WARN002 -> 159
[2025-09-06 09:37:13] [info] DB_WARN003 -> 161
[2025-09-06 09:37:13] [info] VERI_WARN012 -> 113
[2025-09-06 09:37:13] [info] LVS_ERR018 -> 7
[2025-09-06 09:37:13] [info] LVS_ERR019 -> 511
[2025-09-06 09:37:13] [info] LVS_ERR003 -> 499
[2025-09-06 09:37:13] [info] ERC_ERR003 -> 499
[2025-09-06 09:37:13] [info] LVS_ERR005 -> 113
[2025-09-06 09:37:13] [info] LVS_ERR030 -> 1
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info]                                Summary
[2025-09-06 09:37:13] [info] -----
[2025-09-06 09:37:13] [info] LVS Status:                PASSED
[2025-09-06 09:37:13] [info] Instance Match Percentage: 99.75%
[2025-09-06 09:37:13] [info] Short Circuits:            None Detected
[2025-09-06 09:37:13] [info] Open Circuits:             Open Detected
[2025-09-06 09:37:13] [info] Unconnected Pins:          611
[2025-09-06 09:37:13] [info] Total Errors:               1644
[2025-09-06 09:37:13] [info] Total Warnings:             434
[2025-09-06 09:37:13] [info] Critical Issues:           None

```

```

[2025-09-06 09:48:12] [info] =====
[2025-09-06 09:48:12] [info]             Layout Versus Schematic Report
[2025-09-06 09:48:12] [info] =====

[2025-09-06 09:48:12] [info] Report Generated:    2025-09-06
[2025-09-06 09:48:12] [info] Run Start Time:      09:37:39 AM
[2025-09-06 09:48:12] [info] Run End Time:        09:48:12 AM
[2025-09-06 09:48:12] [info] Time Taken:          10 minutes 53 seconds

[2025-09-06 09:48:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:48:12] [info] Host Name:           kuro-Workstation
[2025-09-06 09:48:12] [info] User Name:           kuro
[2025-09-06 09:48:12] [info] Cores Used:          4
[2025-09-06 09:48:12] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]             Top Cell Match
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 09:48:12] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]             Netlist Statistics
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:48:12] [info] |-----|-----|-----|
[2025-09-06 09:48:12] [info] | Total Nets             | 57183       | 57295       |
[2025-09-06 09:48:12] [info] | Total Instances        | 857431      | 44901        |
[2025-09-06 09:48:12] [info] | Total Pins             | 674946      | 334212       |
[2025-09-06 09:48:12] [info] |-----|-----|-----|
[2025-09-06 09:48:12] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] Total Schematic Instances:    44901
[2025-09-06 09:48:12] [info] Matched Instances:           44788
[2025-09-06 09:48:12] [info] Match Percentage: 99.75%

[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]             Short and Open Checks
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] Short Circuits:             None Detected
[2025-09-06 09:48:12] [info] Open Circuits:              Open Detected

[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]             Performance Metrics
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] | Stage                    | Time Taken |
[2025-09-06 09:48:12] [info] |-----|-----|
[2025-09-06 09:48:12] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 09:48:12] [info] | Connectivity Extraction   | 10 minutes 25 seconds |
[2025-09-06 09:48:12] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 09:48:12] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]             Additional Details
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 09:48:12] [info] Hierarchical Cells:        Flattened
[2025-09-06 09:48:12] [info] Database Format:            GDSII
[2025-09-06 09:48:12] [info] Verification Mode:         Full Check
[2025-09-06 09:48:12] [info] Error Reporting:           Enabled

[2025-09-06 09:48:12] [info] -----

```

```
[2025-09-06 09:48:12] [info]                                Type of Errors | Count
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] DB_WARN -> 1
[2025-09-06 09:48:12] [info] LRF_ERR001 -> 14
[2025-09-06 09:48:12] [info] DB_WARN002 -> 157
[2025-09-06 09:48:12] [info] DB_WARN003 -> 159
[2025-09-06 09:48:12] [info] VERI_WARN012 -> 113
[2025-09-06 09:48:12] [info] LVS_ERR018 -> 6
[2025-09-06 09:48:12] [info] LVS_ERR019 -> 502
[2025-09-06 09:48:12] [info] LVS_ERR003 -> 490
[2025-09-06 09:48:12] [info] ERC_ERR003 -> 490
[2025-09-06 09:48:12] [info] LVS_ERR005 -> 113
[2025-09-06 09:48:12] [info] LVS_ERR030 -> 1
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info]                                Summary
[2025-09-06 09:48:12] [info] -----
[2025-09-06 09:48:12] [info] LVS Status:                PASSED
[2025-09-06 09:48:12] [info] Instance Match Percentage: 99.75%
[2025-09-06 09:48:12] [info] Short Circuits:            None Detected
[2025-09-06 09:48:12] [info] Open Circuits:             Open Detected
[2025-09-06 09:48:12] [info] Unconnected Pins:          602
[2025-09-06 09:48:12] [info] Total Errors:               1616
[2025-09-06 09:48:12] [info] Total Warnings:             430
[2025-09-06 09:48:12] [info] Critical Issues:           None
```

```

[2025-09-06 09:56:28] [info] =====
[2025-09-06 09:56:28] [info]             Layout Versus Schematic Report
[2025-09-06 09:56:28] [info] =====

[2025-09-06 09:56:28] [info] Report Generated:    2025-09-06
[2025-09-06 09:56:28] [info] Run Start Time:      09:48:32 AM
[2025-09-06 09:56:28] [info] Run End Time:        09:56:28 AM
[2025-09-06 09:56:28] [info] Time Taken:          8 minutes 10 seconds

[2025-09-06 09:56:28] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:56:28] [info] Host Name:           kuro-Workstation
[2025-09-06 09:56:28] [info] User Name:           kuro
[2025-09-06 09:56:28] [info] Cores Used:          4
[2025-09-06 09:56:28] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]             Top Cell Match
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 09:56:28] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]             Netlist Statistics
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:56:28] [info] |-----|-----|-----|
[2025-09-06 09:56:28] [info] | Total Nets             | 57107       | 57219       |
[2025-09-06 09:56:28] [info] | Total Instances        | 646154      | 44825       |
[2025-09-06 09:56:28] [info] | Total Pins             | 625409      | 333756      |
[2025-09-06 09:56:28] [info] |-----|-----|-----|
[2025-09-06 09:56:28] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] Total Schematic Instances: 44825
[2025-09-06 09:56:28] [info] Matched Instances:      44712
[2025-09-06 09:56:28] [info] Match Percentage: 99.75%

[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]             Short and Open Checks
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] Short Circuits:       None Detected
[2025-09-06 09:56:28] [info] Open Circuits:        Open Detected

[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]             Performance Metrics
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] | Stage                  | Time Taken |
[2025-09-06 09:56:28] [info] |-----|-----|
[2025-09-06 09:56:28] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 09:56:28] [info] | Connectivity Extraction  | 7 minutes 50 seconds |
[2025-09-06 09:56:28] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 09:56:28] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]             Additional Details
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:56:28] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:56:28] [info] Database Format:       GDSII
[2025-09-06 09:56:28] [info] Verification Mode:    Full Check
[2025-09-06 09:56:28] [info] Error Reporting:      Enabled

[2025-09-06 09:56:28] [info] -----

```

```

[2025-09-06 09:56:28] [info]                                Type of Errors | Count
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] DB_WARN -> 1
[2025-09-06 09:56:28] [info] LRF_ERR001 -> 14
[2025-09-06 09:56:28] [info] DB_WARN002 -> 152
[2025-09-06 09:56:28] [info] DB_WARN003 -> 155
[2025-09-06 09:56:28] [info] VERI_WARN012 -> 113
[2025-09-06 09:56:28] [info] LVS_ERR018 -> 11
[2025-09-06 09:56:28] [info] LVS_ERR019 -> 450
[2025-09-06 09:56:28] [info] LVS_ERR003 -> 438
[2025-09-06 09:56:28] [info] ERC_ERR003 -> 438
[2025-09-06 09:56:28] [info] LVS_ERR005 -> 113
[2025-09-06 09:56:28] [info] LVS_ERR030 -> 1
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info]                                Summary
[2025-09-06 09:56:28] [info] -----
[2025-09-06 09:56:28] [info] LVS Status:                PASSED
[2025-09-06 09:56:28] [info] Instance Match Percentage: 99.75%
[2025-09-06 09:56:28] [info] Short Circuits:            None Detected
[2025-09-06 09:56:28] [info] Open Circuits:             Open Detected
[2025-09-06 09:56:28] [info] Unconnected Pins:          550
[2025-09-06 09:56:28] [info] Total Errors:               1465
[2025-09-06 09:56:28] [info] Total Warnings:             421
[2025-09-06 09:56:28] [info] Critical Issues:           None

```

```

[2025-09-06 09:58:15] [info] =====
[2025-09-06 09:58:15] [info]           Layout Versus Schematic Report
[2025-09-06 09:58:15] [info] =====

[2025-09-06 09:58:15] [info] Report Generated:    2025-09-06
[2025-09-06 09:58:15] [info] Run Start Time:      09:56:40 AM
[2025-09-06 09:58:15] [info] Run End Time:        09:58:15 AM
[2025-09-06 09:58:15] [info] Time Taken:          1 minutes 41 seconds

[2025-09-06 09:58:15] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:58:15] [info] Host Name:           kuro-Workstation
[2025-09-06 09:58:15] [info] User Name:           kuro
[2025-09-06 09:58:15] [info] Cores Used:          8
[2025-09-06 09:58:15] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info]           Top Cell Match
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 09:58:15] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info]           Netlist Statistics
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:58:15] [info] |-----|-----|-----|
[2025-09-06 09:58:15] [info] | Total Nets             | 25673       | 25678       |
[2025-09-06 09:58:15] [info] | Total Instances        | 353042      | 25409       |
[2025-09-06 09:58:15] [info] | Total Pins             | 300090      | 183701      |
[2025-09-06 09:58:15] [info] |-----|-----|-----|
[2025-09-06 09:58:15] [info]           Pin to Net Mapping Percentage
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] Total Schematic Instances: 25409
[2025-09-06 09:58:15] [info] Matched Instances:        25406
[2025-09-06 09:58:15] [info] Match Percentage: 99.99%

[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info]           Short and Open Checks
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] Short Circuits:        None Detected
[2025-09-06 09:58:15] [info] Open Circuits:         None Detected

[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info]           Performance Metrics
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] | Stage                | Time Taken |
[2025-09-06 09:58:15] [info] |-----|-----|
[2025-09-06 09:58:15] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 09:58:15] [info] | Connectivity Extraction | 1 minutes 32 seconds |
[2025-09-06 09:58:15] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 09:58:15] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info]           Additional Details
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 09:58:15] [info] Hierarchical Cells:    Flattened
[2025-09-06 09:58:15] [info] Database Format:        GDSII
[2025-09-06 09:58:15] [info] Verification Mode:     Full Check
[2025-09-06 09:58:15] [info] Error Reporting:       Enabled

[2025-09-06 09:58:15] [info] -----

```

```
[2025-09-06 09:58:15] [info] Type of Errors | Count
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] DB_WARN -> 1
[2025-09-06 09:58:15] [info] LRF_ERROR01 -> 14
[2025-09-06 09:58:15] [info] DB_WARN002 -> 144
[2025-09-06 09:58:15] [info] DB_WARN003 -> 137
[2025-09-06 09:58:15] [info] VERI_WARN012 -> 41
[2025-09-06 09:58:15] [info] LVS_ERROR19 -> 18
[2025-09-06 09:58:15] [info] LVS_ERROR03 -> 18
[2025-09-06 09:58:15] [info] ERC_ERROR03 -> 18
[2025-09-06 09:58:15] [info] LVS_ERROR05 -> 3
[2025-09-06 09:58:15] [info] LVS_ERROR30 -> 1
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] Summary
[2025-09-06 09:58:15] [info] -----
[2025-09-06 09:58:15] [info] LVS Status: PASSED
[2025-09-06 09:58:15] [info] Instance Match Percentage: 99.99%
[2025-09-06 09:58:15] [info] Short Circuits: None Detected
[2025-09-06 09:58:15] [info] Open Circuits: None Detected
[2025-09-06 09:58:15] [info] Unconnected Pins: 118
[2025-09-06 09:58:15] [info] Total Errors: 72
[2025-09-06 09:58:15] [info] Total Warnings: 323
[2025-09-06 09:58:15] [info] Critical Issues: None
```

```

[2025-09-06 10:00:51] [info] =====
[2025-09-06 10:00:51] [info]             Layout Versus Schematic Report
[2025-09-06 10:00:51] [info] =====

[2025-09-06 10:00:51] [info] Report Generated:    2025-09-06
[2025-09-06 10:00:51] [info] Run Start Time:      09:58:25 AM
[2025-09-06 10:00:51] [info] Run End Time:        10:00:50 AM
[2025-09-06 10:00:51] [info] Time Taken:          2 minutes 33 seconds

[2025-09-06 10:00:51] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:00:51] [info] Host Name:           kuro-Workstation
[2025-09-06 10:00:51] [info] User Name:           kuro
[2025-09-06 10:00:51] [info] Cores Used:          8
[2025-09-06 10:00:51] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]             Top Cell Match
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 10:00:51] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]             Netlist Statistics
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:00:51] [info] |-----|-----|-----|
[2025-09-06 10:00:51] [info] | Total Nets             | 25660       | 25665       |
[2025-09-06 10:00:51] [info] | Total Instances        | 423815      | 25396       |
[2025-09-06 10:00:51] [info] | Total Pins             | 314679      | 183623      |
[2025-09-06 10:00:51] [info] |-----|-----|-----|
[2025-09-06 10:00:51] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] Total Schematic Instances:    25396
[2025-09-06 10:00:51] [info] Matched Instances:           25393
[2025-09-06 10:00:51] [info] Match Percentage: 99.99%

[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]             Short and Open Checks
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] Short Circuits:      None Detected
[2025-09-06 10:00:51] [info] Open Circuits:       None Detected

[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]             Performance Metrics
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] | Stage                | Time Taken |
[2025-09-06 10:00:51] [info] |-----|-----|
[2025-09-06 10:00:51] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 10:00:51] [info] | Connectivity Extraction | 2 minutes 21 seconds |
[2025-09-06 10:00:51] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 10:00:51] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]             Additional Details
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:00:51] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:00:51] [info] Database Format:       GDSII
[2025-09-06 10:00:51] [info] Verification Mode:    Full Check
[2025-09-06 10:00:51] [info] Error Reporting:      Enabled

[2025-09-06 10:00:51] [info] -----

```

```
[2025-09-06 10:00:51] [info]                                Type of Errors | Count
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] DB_WARN -> 1
[2025-09-06 10:00:51] [info] LRF_ERR001 -> 14
[2025-09-06 10:00:51] [info] DB_WARN002 -> 141
[2025-09-06 10:00:51] [info] DB_WARN003 -> 135
[2025-09-06 10:00:51] [info] VERI_WARN012 -> 39
[2025-09-06 10:00:51] [info] LVS_ERR019 -> 12
[2025-09-06 10:00:51] [info] LVS_ERR003 -> 12
[2025-09-06 10:00:51] [info] ERC_ERR003 -> 12
[2025-09-06 10:00:51] [info] LVS_ERR005 -> 3
[2025-09-06 10:00:51] [info] LVS_ERR030 -> 1
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info]                                Summary
[2025-09-06 10:00:51] [info] -----
[2025-09-06 10:00:51] [info] LVS Status:                PASSED
[2025-09-06 10:00:51] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:00:51] [info] Short Circuits:           None Detected
[2025-09-06 10:00:51] [info] Open Circuits:            None Detected
[2025-09-06 10:00:51] [info] Unconnected Pins:         112
[2025-09-06 10:00:51] [info] Total Errors:              54
[2025-09-06 10:00:51] [info] Total Warnings:           316
[2025-09-06 10:00:51] [info] Critical Issues:          None
```

```

[2025-09-06 10:02:25] [info] =====
[2025-09-06 10:02:25] [info]             Layout Versus Schematic Report
[2025-09-06 10:02:25] [info] =====

[2025-09-06 10:02:25] [info] Report Generated:    2025-09-06
[2025-09-06 10:02:25] [info] Run Start Time:      10:00:58 AM
[2025-09-06 10:02:25] [info] Run End Time:        10:02:25 AM
[2025-09-06 10:02:25] [info] Time Taken:          1 minutes 31 seconds

[2025-09-06 10:02:25] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:02:25] [info] Host Name:           kuro-Workstation
[2025-09-06 10:02:25] [info] User Name:           kuro
[2025-09-06 10:02:25] [info] Cores Used:          8
[2025-09-06 10:02:25] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]             Top Cell Match
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 10:02:25] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]             Netlist Statistics
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:02:25] [info] |-----|-----|-----|
[2025-09-06 10:02:25] [info] | Total Nets             | 25146       | 25151       |
[2025-09-06 10:02:25] [info] | Total Instances        | 318921      | 24882       |
[2025-09-06 10:02:25] [info] | Total Pins             | 285259      | 180539      |
[2025-09-06 10:02:25] [info] |-----|-----|-----|
[2025-09-06 10:02:25] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] Total Schematic Instances:    24882
[2025-09-06 10:02:25] [info] Matched Instances:           24879
[2025-09-06 10:02:25] [info] Match Percentage: 99.99%

[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]             Short and Open Checks
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] Short Circuits:      None Detected
[2025-09-06 10:02:25] [info] Open Circuits:       None Detected

[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]             Performance Metrics
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] | Stage                | Time Taken |
[2025-09-06 10:02:25] [info] |-----|-----|
[2025-09-06 10:02:25] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:02:25] [info] | Connectivity Extraction | 1 minutes 23 seconds |
[2025-09-06 10:02:25] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:02:25] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]             Additional Details
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:02:25] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:02:25] [info] Database Format:       GDSII
[2025-09-06 10:02:25] [info] Verification Mode:    Full Check
[2025-09-06 10:02:25] [info] Error Reporting:      Enabled

[2025-09-06 10:02:25] [info] -----

```

```
[2025-09-06 10:02:25] [info]                                Type of Errors | Count
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] DB_WARN -> 1
[2025-09-06 10:02:25] [info] LRF_ERROR01 -> 14
[2025-09-06 10:02:25] [info] DB_WARN002 -> 138
[2025-09-06 10:02:25] [info] DB_WARN003 -> 132
[2025-09-06 10:02:25] [info] VERI_WARN012 -> 36
[2025-09-06 10:02:25] [info] LVS_ERROR19 -> 12
[2025-09-06 10:02:25] [info] LVS_ERROR03 -> 12
[2025-09-06 10:02:25] [info] ERC_ERROR03 -> 12
[2025-09-06 10:02:25] [info] LVS_ERROR05 -> 3
[2025-09-06 10:02:25] [info] LVS_ERROR30 -> 1
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info]                                Summary
[2025-09-06 10:02:25] [info] -----
[2025-09-06 10:02:25] [info] LVS Status:                PASSED
[2025-09-06 10:02:25] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:02:25] [info] Short Circuits:           None Detected
[2025-09-06 10:02:25] [info] Open Circuits:            None Detected
[2025-09-06 10:02:25] [info] Unconnected Pins:         112
[2025-09-06 10:02:25] [info] Total Errors:              54
[2025-09-06 10:02:25] [info] Total Warnings:           307
[2025-09-06 10:02:25] [info] Critical Issues:          None
```

```

[2025-09-06 09:56:33] [info] =====
[2025-09-06 09:56:33] [info]           Layout Versus Schematic Report
[2025-09-06 09:56:33] [info] =====

[2025-09-06 09:56:33] [info] Report Generated:    2025-09-06
[2025-09-06 09:56:33] [info] Run Start Time:      09:56:33 AM
[2025-09-06 09:56:33] [info] Run End Time:        09:56:33 AM
[2025-09-06 09:56:33] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:56:33] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:56:33] [info] Host Name:           kuro-Workstation
[2025-09-06 09:56:33] [info] User Name:           kuro
[2025-09-06 09:56:33] [info] Cores Used:          8
[2025-09-06 09:56:33] [info] Memory Utilized:     38.46 MB / 62.569705963134766 GB

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]           Top Cell Match
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 09:56:33] [info] Schematic Top Cell:  gcd1_sky130hd
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]           Netlist Statistics
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:56:33] [info] |-----|-----|-----|
[2025-09-06 09:56:33] [info] | Total Nets             | 389         | 391         |
[2025-09-06 09:56:33] [info] | Total Instances        | 4312        | 351         |
[2025-09-06 09:56:33] [info] | Total Pins             | 4063        | 2481        |
[2025-09-06 09:56:33] [info] |-----|-----|-----|
[2025-09-06 09:56:33] [info]           Pin to Net Mapping Percentage
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Total Schematic Instances:    351
[2025-09-06 09:56:33] [info] Matched Instances:           351
[2025-09-06 09:56:33] [info] Match Percentage: 100.00%

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]           Short and Open Checks
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Short Circuits:      None Detected
[2025-09-06 09:56:33] [info] Open Circuits:       None Detected

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]           Performance Metrics
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] | Stage                | Time Taken |
[2025-09-06 09:56:33] [info] |-----|-----|
[2025-09-06 09:56:33] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]           Additional Details
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:56:33] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:56:33] [info] Database Format:       GDSII
[2025-09-06 09:56:33] [info] Verification Mode:    Full Check
[2025-09-06 09:56:33] [info] Error Reporting:      Enabled

[2025-09-06 09:56:33] [info] -----

```

```
[2025-09-06 09:56:33] [info]                Type of Errors | Count
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] DB_WARN -> 1
[2025-09-06 09:56:33] [info] LRF_ERR001 -> 14
[2025-09-06 09:56:33] [info] DB_WARN002 -> 58
[2025-09-06 09:56:33] [info] DB_WARN003 -> 55
[2025-09-06 09:56:33] [info] VERI_WARN012 -> 4
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]                Summary
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] LVS Status:                PASSED
[2025-09-06 09:56:33] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:56:33] [info] Short Circuits:           None Detected
[2025-09-06 09:56:33] [info] Open Circuits:            None Detected
[2025-09-06 09:56:33] [info] Unconnected Pins:         100
[2025-09-06 09:56:33] [info] Total Errors:              14
[2025-09-06 09:56:33] [info] Total Warnings:            118
[2025-09-06 09:56:33] [info] Critical Issues:          None
```

```

[2025-09-06 09:56:33] [info] =====
[2025-09-06 09:56:33] [info]             Layout Versus Schematic Report
[2025-09-06 09:56:33] [info] =====

[2025-09-06 09:56:33] [info] Report Generated:    2025-09-06
[2025-09-06 09:56:33] [info] Run Start Time:      09:56:33 AM
[2025-09-06 09:56:33] [info] Run End Time:        09:56:33 AM
[2025-09-06 09:56:33] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:56:33] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:56:33] [info] Host Name:           kuro-Workstation
[2025-09-06 09:56:33] [info] User Name:           kuro
[2025-09-06 09:56:33] [info] Cores Used:          8
[2025-09-06 09:56:33] [info] Memory Utilized:     43.01 MB / 62.569705963134766 GB

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]             Top Cell Match
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 09:56:33] [info] Schematic Top Cell:  gcd2_sky130hd
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]             Netlist Statistics
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:56:33] [info] |-----|-----|-----|
[2025-09-06 09:56:33] [info] | Total Nets             | 353         | 355         |
[2025-09-06 09:56:33] [info] | Total Instances        | 4768        | 315         |
[2025-09-06 09:56:33] [info] | Total Pins             | 3854        | 2265        |
[2025-09-06 09:56:33] [info] |-----|-----|-----|
[2025-09-06 09:56:33] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Total Schematic Instances:    315
[2025-09-06 09:56:33] [info] Matched Instances:           315
[2025-09-06 09:56:33] [info] Match Percentage: 100.00%

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]             Short and Open Checks
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Short Circuits:      None Detected
[2025-09-06 09:56:33] [info] Open Circuits:       None Detected

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]             Performance Metrics
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] | Stage                | Time Taken |
[2025-09-06 09:56:33] [info] |-----|-----|
[2025-09-06 09:56:33] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:56:33] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info]             Additional Details
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:56:33] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:56:33] [info] Database Format:       GDSII
[2025-09-06 09:56:33] [info] Verification Mode:    Full Check
[2025-09-06 09:56:33] [info] Error Reporting:      Enabled

[2025-09-06 09:56:33] [info] -----

```

```
[2025-09-06 09:56:33] [info] Type of Errors | Count
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] DB_WARN -> 1
[2025-09-06 09:56:33] [info] LRF_ERR001 -> 14
[2025-09-06 09:56:33] [info] DB_WARN002 -> 59
[2025-09-06 09:56:33] [info] DB_WARN003 -> 56
[2025-09-06 09:56:33] [info] VERI_WARN012 -> 5
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] Summary
[2025-09-06 09:56:33] [info] -----
[2025-09-06 09:56:33] [info] LVS Status: PASSED
[2025-09-06 09:56:33] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:56:33] [info] Short Circuits: None Detected
[2025-09-06 09:56:33] [info] Open Circuits: None Detected
[2025-09-06 09:56:33] [info] Unconnected Pins: 100
[2025-09-06 09:56:33] [info] Total Errors: 14
[2025-09-06 09:56:33] [info] Total Warnings: 121
[2025-09-06 09:56:33] [info] Critical Issues: None
```

```

[2025-09-06 09:56:34] [info] =====
[2025-09-06 09:56:34] [info]             Layout Versus Schematic Report
[2025-09-06 09:56:34] [info] =====

[2025-09-06 09:56:34] [info] Report Generated:    2025-09-06
[2025-09-06 09:56:34] [info] Run Start Time:      09:56:33 AM
[2025-09-06 09:56:34] [info] Run End Time:        09:56:34 AM
[2025-09-06 09:56:34] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 09:56:34] [info] Tool Version:        LVR_2025.1
[2025-09-06 09:56:34] [info] Host Name:           kuro-Workstation
[2025-09-06 09:56:34] [info] User Name:           kuro
[2025-09-06 09:56:34] [info] Cores Used:          8
[2025-09-06 09:56:34] [info] Memory Utilized:     32.48 MB / 62.569705963134766 GB

[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]             Top Cell Match
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] Layout Top Cell:     gcd3_sky130hd
[2025-09-06 09:56:34] [info] Schematic Top Cell:  gcd3_sky130hd
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]             Netlist Statistics
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 09:56:34] [info] |-----|-----|-----|
[2025-09-06 09:56:34] [info] | Total Nets             | 360         | 362         |
[2025-09-06 09:56:34] [info] | Total Instances        | 3829        | 322         |
[2025-09-06 09:56:34] [info] | Total Pins             | 3692        | 2307        |
[2025-09-06 09:56:34] [info] |-----|-----|-----|
[2025-09-06 09:56:34] [info]             Pin to Net Mapping Percentage
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] Total Schematic Instances:    322
[2025-09-06 09:56:34] [info] Matched Instances:           322
[2025-09-06 09:56:34] [info] Match Percentage: 100.00%

[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]             Short and Open Checks
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] Short Circuits:      None Detected
[2025-09-06 09:56:34] [info] Open Circuits:       None Detected

[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]             Performance Metrics
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] | Stage                | Time Taken |
[2025-09-06 09:56:34] [info] |-----|-----|
[2025-09-06 09:56:34] [info] | Netlist Parsing      | 0 minutes 0 seconds |
[2025-09-06 09:56:34] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 09:56:34] [info] | Device Matching      | 0 minutes 0 seconds |
[2025-09-06 09:56:34] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]             Additional Details
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 09:56:34] [info] Hierarchical Cells:   Flattened
[2025-09-06 09:56:34] [info] Database Format:       GDSII
[2025-09-06 09:56:34] [info] Verification Mode:    Full Check
[2025-09-06 09:56:34] [info] Error Reporting:      Enabled

[2025-09-06 09:56:34] [info] -----

```

```
[2025-09-06 09:56:34] [info]                Type of Errors | Count
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] DB_WARN -> 1
[2025-09-06 09:56:34] [info] LRF_ERR001 -> 14
[2025-09-06 09:56:34] [info] DB_WARN002 -> 59
[2025-09-06 09:56:34] [info] DB_WARN003 -> 56
[2025-09-06 09:56:34] [info] VERI_WARN012 -> 6
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info]                Summary
[2025-09-06 09:56:34] [info] -----
[2025-09-06 09:56:34] [info] LVS Status:                PASSED
[2025-09-06 09:56:34] [info] Instance Match Percentage: 100.00%
[2025-09-06 09:56:34] [info] Short Circuits:           None Detected
[2025-09-06 09:56:34] [info] Open Circuits:            None Detected
[2025-09-06 09:56:34] [info] Unconnected Pins:         100
[2025-09-06 09:56:34] [info] Total Errors:              14
[2025-09-06 09:56:34] [info] Total Warnings:            122
[2025-09-06 09:56:34] [info] Critical Issues:           None
```

```

[2025-09-06 10:03:48] [info] =====
[2025-09-06 10:03:48] [info]             Layout Versus Schematic Report
[2025-09-06 10:03:48] [info] =====

[2025-09-06 10:03:48] [info] Report Generated:    2025-09-06
[2025-09-06 10:03:48] [info] Run Start Time:      10:02:32 AM
[2025-09-06 10:03:48] [info] Run End Time:        10:03:48 AM
[2025-09-06 10:03:48] [info] Time Taken:          1 minutes 21 seconds

[2025-09-06 10:03:48] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:03:48] [info] Host Name:           kuro-Workstation
[2025-09-06 10:03:48] [info] User Name:           kuro
[2025-09-06 10:03:48] [info] Cores Used:          8
[2025-09-06 10:03:48] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Top Cell Match
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 10:03:48] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Netlist Statistics
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:03:48] [info] |-----|-----|-----|
[2025-09-06 10:03:48] [info] | Total Nets             | 21317       | 21319       |
[2025-09-06 10:03:48] [info] | Total Instances        | 281049      | 21165       |
[2025-09-06 10:03:48] [info] | Total Pins             | 281287      | 153642      |
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] Total Schematic Instances:    21165
[2025-09-06 10:03:48] [info] Matched Instances:           21154
[2025-09-06 10:03:48] [info] Match Percentage: 99.95%

[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Short and Open Checks
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] Short Circuits:             None Detected
[2025-09-06 10:03:48] [info] Open Circuits:              None Detected

[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Performance Metrics
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] | Stage                    | Time Taken |
[2025-09-06 10:03:48] [info] |-----|-----|
[2025-09-06 10:03:48] [info] | Netlist Parsing          | 0 minutes 0 seconds |
[2025-09-06 10:03:48] [info] | Connectivity Extraction   | 1 minutes 12 seconds |
[2025-09-06 10:03:48] [info] | Device Matching          | 0 minutes 0 seconds |
[2025-09-06 10:03:48] [info] | Report Generation         | 0 minutes 0 seconds |

[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]             Additional Details
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:03:48] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:03:48] [info] Database Format:            GDSII
[2025-09-06 10:03:48] [info] Verification Mode:         Full Check
[2025-09-06 10:03:48] [info] Error Reporting:           Enabled

[2025-09-06 10:03:48] [info] -----

```

```

[2025-09-06 10:03:48] [info]                                Type of Errors | Count
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] DB_WARN -> 1
[2025-09-06 10:03:48] [info] LRF_ERR001 -> 14
[2025-09-06 10:03:48] [info] DB_WARN002 -> 251
[2025-09-06 10:03:48] [info] DB_WARN003 -> 251
[2025-09-06 10:03:48] [info] VERI_WARN012 -> 34
[2025-09-06 10:03:48] [info] LVS_ERR019 -> 38
[2025-09-06 10:03:48] [info] ERC_ERR001 -> 4
[2025-09-06 10:03:48] [info] LVS_ERR003 -> 13
[2025-09-06 10:03:48] [info] ERC_ERR003 -> 13
[2025-09-06 10:03:48] [info] LVS_ERR005 -> 11
[2025-09-06 10:03:48] [info] LVS_ERR030 -> 1
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info]                                Summary
[2025-09-06 10:03:48] [info] -----
[2025-09-06 10:03:48] [info] LVS Status:                PASSED
[2025-09-06 10:03:48] [info] Instance Match Percentage: 99.95%
[2025-09-06 10:03:48] [info] Short Circuits:           None Detected
[2025-09-06 10:03:48] [info] Open Circuits:            None Detected
[2025-09-06 10:03:48] [info] Unconnected Pins:         138
[2025-09-06 10:03:48] [info] Total Errors:              94
[2025-09-06 10:03:48] [info] Total Warnings:           537
[2025-09-06 10:03:48] [info] Critical Issues:          None

```

```

[2025-09-06 10:05:16] [info] =====
[2025-09-06 10:05:16] [info] Layout Versus Schematic Report
[2025-09-06 10:05:16] [info] =====

[2025-09-06 10:05:16] [info] Report Generated: 2025-09-06
[2025-09-06 10:05:16] [info] Run Start Time: 10:03:55 AM
[2025-09-06 10:05:16] [info] Run End Time: 10:05:15 AM
[2025-09-06 10:05:16] [info] Time Taken: 1 minutes 25 seconds

[2025-09-06 10:05:16] [info] Tool Version: LVR_2025.1
[2025-09-06 10:05:16] [info] Host Name: kuro-Workstation
[2025-09-06 10:05:16] [info] User Name: kuro
[2025-09-06 10:05:16] [info] Cores Used: 8
[2025-09-06 10:05:16] [info] Memory Utilized: 2652.30 MB / 62.569705963134766 GB

[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Top Cell Match
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-09-06 10:05:16] [info] Schematic Top Cell: ibex_core2_sky130hd
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Netlist Statistics
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] | Metric | Layout | Schematic |
[2025-09-06 10:05:16] [info] |-----|-----|-----|
[2025-09-06 10:05:16] [info] | Total Nets | 21096 | 21098 |
[2025-09-06 10:05:16] [info] | Total Instances | 293160 | 20944 |
[2025-09-06 10:05:16] [info] | Total Pins | 281372 | 152316 |
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Pin to Net Mapping Percentage
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Total Schematic Instances: 20944
[2025-09-06 10:05:16] [info] Matched Instances: 20932
[2025-09-06 10:05:16] [info] Match Percentage: 99.94%

[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Short and Open Checks
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Short Circuits: None Detected
[2025-09-06 10:05:16] [info] Open Circuits: Open Detected

[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Performance Metrics
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] | Stage | Time Taken |
[2025-09-06 10:05:16] [info] |-----|-----|
[2025-09-06 10:05:16] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:05:16] [info] | Connectivity Extraction | 1 minutes 17 seconds |
[2025-09-06 10:05:16] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:05:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Additional Details
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:05:16] [info] Hierarchical Cells: Flattened
[2025-09-06 10:05:16] [info] Database Format: GDSII
[2025-09-06 10:05:16] [info] Verification Mode: Full Check
[2025-09-06 10:05:16] [info] Error Reporting: Enabled

[2025-09-06 10:05:16] [info] -----

```

```

[2025-09-06 10:05:16] [info]                                Type of Errors | Count
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] DB_WARN -> 1
[2025-09-06 10:05:16] [info] LRF_ERR001 -> 14
[2025-09-06 10:05:16] [info] DB_WARN002 -> 249
[2025-09-06 10:05:16] [info] DB_WARN003 -> 249
[2025-09-06 10:05:16] [info] VERI_WARN012 -> 31
[2025-09-06 10:05:16] [info] LVS_ERR018 -> 2
[2025-09-06 10:05:16] [info] LVS_ERR019 -> 32
[2025-09-06 10:05:16] [info] ERC_ERR001 -> 4
[2025-09-06 10:05:16] [info] LVS_ERR003 -> 11
[2025-09-06 10:05:16] [info] ERC_ERR003 -> 11
[2025-09-06 10:05:16] [info] LVS_ERR005 -> 12
[2025-09-06 10:05:16] [info] LVS_ERR030 -> 1
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info]                                Summary
[2025-09-06 10:05:16] [info] -----
[2025-09-06 10:05:16] [info] LVS Status:                PASSED
[2025-09-06 10:05:16] [info] Instance Match Percentage: 99.94%
[2025-09-06 10:05:16] [info] Short Circuits:           None Detected
[2025-09-06 10:05:16] [info] Open Circuits:            Open Detected
[2025-09-06 10:05:16] [info] Unconnected Pins:         132
[2025-09-06 10:05:16] [info] Total Errors:              87
[2025-09-06 10:05:16] [info] Total Warnings:            530
[2025-09-06 10:05:16] [info] Critical Issues:          None

```

```

[2025-09-06 10:06:39] [info] =====
[2025-09-06 10:06:39] [info] Layout Versus Schematic Report
[2025-09-06 10:06:39] [info] =====

[2025-09-06 10:06:39] [info] Report Generated: 2025-09-06
[2025-09-06 10:06:39] [info] Run Start Time: 10:05:23 AM
[2025-09-06 10:06:39] [info] Run End Time: 10:06:39 AM
[2025-09-06 10:06:39] [info] Time Taken: 1 minutes 21 seconds

[2025-09-06 10:06:39] [info] Tool Version: LVR_2025.1
[2025-09-06 10:06:39] [info] Host Name: kuro-Workstation
[2025-09-06 10:06:39] [info] User Name: kuro
[2025-09-06 10:06:39] [info] Cores Used: 8
[2025-09-06 10:06:39] [info] Memory Utilized: 2577.80 MB / 62.569705963134766 GB

[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Top Cell Match
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 10:06:39] [info] Schematic Top Cell: ibex_core3_sky130hd
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Netlist Statistics
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] | Metric | Layout | Schematic |
[2025-09-06 10:06:39] [info] |-----|-----|-----|
[2025-09-06 10:06:39] [info] | Total Nets | 19194 | 19196 |
[2025-09-06 10:06:39] [info] | Total Instances | 300437 | 19042 |
[2025-09-06 10:06:39] [info] | Total Pins | 256833 | 140904 |
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Pin to Net Mapping Percentage
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Total Schematic Instances: 19042
[2025-09-06 10:06:39] [info] Matched Instances: 19033
[2025-09-06 10:06:39] [info] Match Percentage: 99.95%

[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Short and Open Checks
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Short Circuits: None Detected
[2025-09-06 10:06:39] [info] Open Circuits: Open Detected

[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Performance Metrics
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] | Stage | Time Taken |
[2025-09-06 10:06:39] [info] |-----|-----|
[2025-09-06 10:06:39] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:06:39] [info] | Connectivity Extraction | 1 minutes 13 seconds |
[2025-09-06 10:06:39] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:06:39] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Additional Details
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:06:39] [info] Hierarchical Cells: Flattened
[2025-09-06 10:06:39] [info] Database Format: GDSII
[2025-09-06 10:06:39] [info] Verification Mode: Full Check
[2025-09-06 10:06:39] [info] Error Reporting: Enabled

[2025-09-06 10:06:39] [info] -----

```

```

[2025-09-06 10:06:39] [info]                                     Type of Errors | Count
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] DB_WARN -> 1
[2025-09-06 10:06:39] [info] LRF_ERR001 -> 14
[2025-09-06 10:06:39] [info] DB_WARN002 -> 253
[2025-09-06 10:06:39] [info] DB_WARN003 -> 251
[2025-09-06 10:06:39] [info] VERI_WARN012 -> 53
[2025-09-06 10:06:39] [info] LVS_ERR018 -> 5
[2025-09-06 10:06:39] [info] LVS_ERR019 -> 31
[2025-09-06 10:06:39] [info] LVS_ERR003 -> 11
[2025-09-06 10:06:39] [info] ERC_ERR003 -> 11
[2025-09-06 10:06:39] [info] ERC_ERR001 -> 2
[2025-09-06 10:06:39] [info] LVS_ERR005 -> 9
[2025-09-06 10:06:39] [info] LVS_ERR030 -> 1
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info]                                     Summary
[2025-09-06 10:06:39] [info] -----
[2025-09-06 10:06:39] [info] LVS Status:                PASSED
[2025-09-06 10:06:39] [info] Instance Match Percentage: 99.95%
[2025-09-06 10:06:39] [info] Short Circuits:           None Detected
[2025-09-06 10:06:39] [info] Open Circuits:            Open Detected
[2025-09-06 10:06:39] [info] Unconnected Pins:         131
[2025-09-06 10:06:39] [info] Total Errors:              84
[2025-09-06 10:06:39] [info] Total Warnings:            558
[2025-09-06 10:06:39] [info] Critical Issues:          None

```

```
[2025-09-06 10:12:46] [info] =====
[2025-09-06 10:12:46] [info]           Layout Versus Schematic Report
[2025-09-06 10:12:46] [info] =====

[2025-09-06 10:12:46] [info] Report Generated:    2025-09-06
[2025-09-06 10:12:46] [info] Run Start Time:      10:06:57 AM
[2025-09-06 10:12:46] [info] Run End Time:        10:12:45 AM
[2025-09-06 10:12:46] [info] Time Taken:          6 minutes 4 seconds

[2025-09-06 10:12:46] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:12:46] [info] Host Name:           kuro-Workstation
[2025-09-06 10:12:46] [info] User Name:           kuro
[2025-09-06 10:12:46] [info] Cores Used:          8
[2025-09-06 10:12:46] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]           Top Cell Match
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 10:12:46] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]           Netlist Statistics
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:12:46] [info] |-----|-----|-----|
[2025-09-06 10:12:46] [info] | Total Nets             | 57241       | 57353       |
[2025-09-06 10:12:46] [info] | Total Instances        | 726048      | 44959       |
[2025-09-06 10:12:46] [info] | Total Pins             | 645641      | 334560      |
[2025-09-06 10:12:46] [info] |-----|-----|-----|
[2025-09-06 10:12:46] [info]           Pin to Net Mapping Percentage
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] Total Schematic Instances:    44959
[2025-09-06 10:12:46] [info] Matched Instances:           44846
[2025-09-06 10:12:46] [info] Match Percentage: 99.75%

[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]           Short and Open Checks
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] Short Circuits:             None Detected
[2025-09-06 10:12:46] [info] Open Circuits:              Open Detected

[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]           Performance Metrics
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] | Stage                | Time Taken |
[2025-09-06 10:12:46] [info] |-----|-----|
[2025-09-06 10:12:46] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:12:46] [info] | Connectivity Extraction | 5 minutes 41 seconds |
[2025-09-06 10:12:46] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:12:46] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]           Additional Details
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:12:46] [info] Hierarchical Cells:       Flattened
[2025-09-06 10:12:46] [info] Database Format:           GDSII
[2025-09-06 10:12:46] [info] Verification Mode:        Full Check
[2025-09-06 10:12:46] [info] Error Reporting:          Enabled

[2025-09-06 10:12:46] [info] -----
```

```

[2025-09-06 10:12:46] [info]                                Type of Errors | Count
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] DB_WARN -> 1
[2025-09-06 10:12:46] [info] LRF_ERR001 -> 14
[2025-09-06 10:12:46] [info] DB_WARN002 -> 159
[2025-09-06 10:12:46] [info] DB_WARN003 -> 161
[2025-09-06 10:12:46] [info] VERI_WARN012 -> 113
[2025-09-06 10:12:46] [info] LVS_ERR018 -> 7
[2025-09-06 10:12:46] [info] LVS_ERR019 -> 511
[2025-09-06 10:12:46] [info] LVS_ERR003 -> 499
[2025-09-06 10:12:46] [info] ERC_ERR003 -> 499
[2025-09-06 10:12:46] [info] LVS_ERR005 -> 113
[2025-09-06 10:12:46] [info] LVS_ERR030 -> 1
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info]                                Summary
[2025-09-06 10:12:46] [info] -----
[2025-09-06 10:12:46] [info] LVS Status:                PASSED
[2025-09-06 10:12:46] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:12:46] [info] Short Circuits:            None Detected
[2025-09-06 10:12:46] [info] Open Circuits:             Open Detected
[2025-09-06 10:12:46] [info] Unconnected Pins:          611
[2025-09-06 10:12:46] [info] Total Errors:               1644
[2025-09-06 10:12:46] [info] Total Warnings:             434
[2025-09-06 10:12:46] [info] Critical Issues:           None

```

```

[2025-09-06 10:19:57] [info] =====
[2025-09-06 10:19:57] [info]             Layout Versus Schematic Report
[2025-09-06 10:19:57] [info] =====

[2025-09-06 10:19:57] [info] Report Generated:    2025-09-06
[2025-09-06 10:19:57] [info] Run Start Time:      10:13:12 AM
[2025-09-06 10:19:57] [info] Run End Time:        10:19:56 AM
[2025-09-06 10:19:57] [info] Time Taken:          7 minutes 6 seconds

[2025-09-06 10:19:57] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:19:57] [info] Host Name:           kuro-Workstation
[2025-09-06 10:19:57] [info] User Name:           kuro
[2025-09-06 10:19:57] [info] Cores Used:          8
[2025-09-06 10:19:57] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]             Top Cell Match
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 10:19:57] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]             Netlist Statistics
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:19:57] [info] |-----|-----|-----|
[2025-09-06 10:19:57] [info] | Total Nets             | 57183       | 57295       |
[2025-09-06 10:19:57] [info] | Total Instances        | 857431      | 44901        |
[2025-09-06 10:19:57] [info] | Total Pins             | 674946      | 334212       |
[2025-09-06 10:19:57] [info] |-----|-----|-----|
[2025-09-06 10:19:57] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] Total Schematic Instances:    44901
[2025-09-06 10:19:57] [info] Matched Instances:           44788
[2025-09-06 10:19:57] [info] Match Percentage: 99.75%

[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]             Short and Open Checks
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] Short Circuits:             None Detected
[2025-09-06 10:19:57] [info] Open Circuits:              Open Detected

[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]             Performance Metrics
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] | Stage                | Time Taken |
[2025-09-06 10:19:57] [info] |-----|-----|
[2025-09-06 10:19:57] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:19:57] [info] | Connectivity Extraction | 6 minutes 38 seconds |
[2025-09-06 10:19:57] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:19:57] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]             Additional Details
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] Technology Node:           SKY130HD (130nm)
[2025-09-06 10:19:57] [info] Hierarchical Cells:        Flattened
[2025-09-06 10:19:57] [info] Database Format:            GDSII
[2025-09-06 10:19:57] [info] Verification Mode:         Full Check
[2025-09-06 10:19:57] [info] Error Reporting:           Enabled

[2025-09-06 10:19:57] [info] -----

```

```

[2025-09-06 10:19:57] [info]                                Type of Errors | Count
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] DB_WARN -> 1
[2025-09-06 10:19:57] [info] LRF_ERR001 -> 14
[2025-09-06 10:19:57] [info] DB_WARN002 -> 157
[2025-09-06 10:19:57] [info] DB_WARN003 -> 159
[2025-09-06 10:19:57] [info] VERI_WARN012 -> 113
[2025-09-06 10:19:57] [info] LVS_ERR018 -> 6
[2025-09-06 10:19:57] [info] LVS_ERR019 -> 502
[2025-09-06 10:19:57] [info] LVS_ERR003 -> 490
[2025-09-06 10:19:57] [info] ERC_ERR003 -> 490
[2025-09-06 10:19:57] [info] LVS_ERR005 -> 113
[2025-09-06 10:19:57] [info] LVS_ERR030 -> 1
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info]                                Summary
[2025-09-06 10:19:57] [info] -----
[2025-09-06 10:19:57] [info] LVS Status:                PASSED
[2025-09-06 10:19:57] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:19:57] [info] Short Circuits:           None Detected
[2025-09-06 10:19:57] [info] Open Circuits:            Open Detected
[2025-09-06 10:19:57] [info] Unconnected Pins:         602
[2025-09-06 10:19:57] [info] Total Errors:              1616
[2025-09-06 10:19:57] [info] Total Warnings:           430
[2025-09-06 10:19:57] [info] Critical Issues:          None

```

```

[2025-09-06 10:25:22] [info] =====
[2025-09-06 10:25:22] [info]             Layout Versus Schematic Report
[2025-09-06 10:25:22] [info] =====

[2025-09-06 10:25:22] [info] Report Generated:    2025-09-06
[2025-09-06 10:25:22] [info] Run Start Time:      10:20:17 AM
[2025-09-06 10:25:22] [info] Run End Time:        10:25:22 AM
[2025-09-06 10:25:22] [info] Time Taken:          5 minutes 19 seconds

[2025-09-06 10:25:22] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:25:22] [info] Host Name:           kuro-Workstation
[2025-09-06 10:25:22] [info] User Name:           kuro
[2025-09-06 10:25:22] [info] Cores Used:          8
[2025-09-06 10:25:22] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]             Top Cell Match
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 10:25:22] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]             Netlist Statistics
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] | Metric                | Layout      | Schematic   |
[2025-09-06 10:25:22] [info] |-----|-----|-----|
[2025-09-06 10:25:22] [info] | Total Nets             | 57107       | 57219       |
[2025-09-06 10:25:22] [info] | Total Instances        | 646154      | 44825       |
[2025-09-06 10:25:22] [info] | Total Pins             | 625409      | 333756      |
[2025-09-06 10:25:22] [info] |-----|-----|-----|
[2025-09-06 10:25:22] [info]             Pin to Net Mapping Percentage
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] Total Schematic Instances: 44825
[2025-09-06 10:25:22] [info] Matched Instances:      44712
[2025-09-06 10:25:22] [info] Match Percentage: 99.75%

[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]             Short and Open Checks
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] Short Circuits:       None Detected
[2025-09-06 10:25:22] [info] Open Circuits:        Open Detected

[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]             Performance Metrics
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] | Stage                | Time Taken |
[2025-09-06 10:25:22] [info] |-----|-----|
[2025-09-06 10:25:22] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 10:25:22] [info] | Connectivity Extraction | 4 minutes 59 seconds |
[2025-09-06 10:25:22] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 10:25:22] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]             Additional Details
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:25:22] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:25:22] [info] Database Format:       GDSII
[2025-09-06 10:25:22] [info] Verification Mode:    Full Check
[2025-09-06 10:25:22] [info] Error Reporting:      Enabled

[2025-09-06 10:25:22] [info] -----

```

```

[2025-09-06 10:25:22] [info]                                Type of Errors | Count
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] DB_WARN -> 1
[2025-09-06 10:25:22] [info] LRF_ERR001 -> 14
[2025-09-06 10:25:22] [info] DB_WARN002 -> 152
[2025-09-06 10:25:22] [info] DB_WARN003 -> 155
[2025-09-06 10:25:22] [info] VERI_WARN012 -> 113
[2025-09-06 10:25:22] [info] LVS_ERR018 -> 11
[2025-09-06 10:25:22] [info] LVS_ERR019 -> 450
[2025-09-06 10:25:22] [info] LVS_ERR003 -> 438
[2025-09-06 10:25:22] [info] ERC_ERR003 -> 438
[2025-09-06 10:25:22] [info] LVS_ERR005 -> 113
[2025-09-06 10:25:22] [info] LVS_ERR030 -> 1
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info]                                Summary
[2025-09-06 10:25:22] [info] -----
[2025-09-06 10:25:22] [info] LVS Status:                PASSED
[2025-09-06 10:25:22] [info] Instance Match Percentage: 99.75%
[2025-09-06 10:25:22] [info] Short Circuits:            None Detected
[2025-09-06 10:25:22] [info] Open Circuits:             Open Detected
[2025-09-06 10:25:22] [info] Unconnected Pins:          550
[2025-09-06 10:25:22] [info] Total Errors:               1465
[2025-09-06 10:25:22] [info] Total Warnings:             421
[2025-09-06 10:25:22] [info] Critical Issues:           None

```

1.3 ERC Regression Summary Reports

```
[2025-08-29 10:34:14] [info] =====
[2025-08-29 10:34:14] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:34:14] [info] =====

[2025-08-29 10:34:14] [info] Report Generated:    2025-08-29
[2025-08-29 10:34:14] [info] Run Start Time:      10:34:06 AM
[2025-08-29 10:34:14] [info] Run End Time:        10:34:14 AM
[2025-08-29 10:34:14] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:34:14] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:34:14] [info] Host Name:           kuro-Workstation
[2025-08-29 10:34:14] [info] User Name:           kuro
[2025-08-29 10:34:14] [info] Cores Used:          16
[2025-08-29 10:34:14] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]           Top Cell Match
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:34:14] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]           Short and Open Checks
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] Short Circuits:      None Detected
[2025-08-29 10:34:14] [info] Open Circuits:       None Detected

[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]           Performance Metrics
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] | Stage                  | Time Taken |
[2025-08-29 10:34:14] [info] |-----|-----|
[2025-08-29 10:34:14] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:34:14] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:34:14] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:34:14] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]           Additional Details
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:34:14] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:34:14] [info] Database Format:       GDSII
[2025-08-29 10:34:14] [info] Verification Mode:    Full Check
[2025-08-29 10:34:14] [info] Error Reporting:      Enabled

[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]           Type of Errors | Count
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] DB_WARN -> 1
[2025-08-29 10:34:14] [info] DB_WARN003 -> 221
[2025-08-29 10:34:14] [info] VERI_WARN012 -> 508
[2025-08-29 10:34:14] [info] ERC_ERR019 -> 651
[2025-08-29 10:34:14] [info] LVS_ERR003 -> 649
[2025-08-29 10:34:14] [info] ERC_ERR003 -> 649
[2025-08-29 10:34:14] [info] LVS_ERR025 -> 2
[2025-08-29 10:34:14] [info] ERC_ERR008 -> 2
[2025-08-29 10:34:14] [info] ERC_ERR020 -> 1
[2025-08-29 10:34:14] [info] ERC_ERR005 -> 687
[2025-08-29 10:34:14] [info] LVS_ERR030 -> 1
```

```
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info]                      Summary
[2025-08-29 10:34:14] [info] -----
[2025-08-29 10:34:14] [info] ERC Status:          PASSED
[2025-08-29 10:34:14] [info] Instance Match Percentage: 96.92%
[2025-08-29 10:34:14] [info] Short Circuits:      None Detected
[2025-08-29 10:34:14] [info] Open Circuits:       None Detected
[2025-08-29 10:34:14] [info] Unconnected Pins:    751
[2025-08-29 10:34:14] [info] Total Errors:        2642
[2025-08-29 10:34:14] [info] Total Warnings:      730
[2025-08-29 10:34:14] [info] Critical Issues:     None
```

```

[2025-08-28 06:14:16] [info] =====
[2025-08-28 06:14:16] [info]           Electrical Rule Check Summary Report
[2025-08-28 06:14:16] [info] =====

[2025-08-28 06:14:16] [info] Report Generated:    2025-08-28
[2025-08-28 06:14:16] [info] Run Start Time:      06:14:08 AM
[2025-08-28 06:14:16] [info] Run End Time:        06:14:16 AM
[2025-08-28 06:14:16] [info] Time Taken:          0 minutes 10 seconds

[2025-08-28 06:14:16] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:14:16] [info] Host Name:           kuro-Workstation
[2025-08-28 06:14:16] [info] User Name:           kuro
[2025-08-28 06:14:16] [info] Cores Used:          16
[2025-08-28 06:14:16] [info] Memory Utilized:     1452.70 MB / 62.5692024230957 GB

[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Top Cell Match
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info] Layout Top Cell:     aes_cipher_top
[2025-08-28 06:14:16] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Short and Open Checks
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info] Short Circuits:      None Detected
[2025-08-28 06:14:16] [info] Open Circuits:       None Detected

[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Performance Metrics
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info] | Stage                  | Time Taken |
[2025-08-28 06:14:16] [info] |-----|-----|
[2025-08-28 06:14:16] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 06:14:16] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-28 06:14:16] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 06:14:16] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Additional Details
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info] Technology Node:      Nangate45 (45nm)
[2025-08-28 06:14:16] [info] Hierarchical Cells:   Flattened
[2025-08-28 06:14:16] [info] Database Format:       GDSII
[2025-08-28 06:14:16] [info] Verification Mode:    Full Check
[2025-08-28 06:14:16] [info] Error Reporting:      Enabled

[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Type of Errors | Count
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info] DB_WARN -> 1
[2025-08-28 06:14:16] [info] DB_WARN003 -> 221
[2025-08-28 06:14:16] [info] VERI_WARN012 -> 508
[2025-08-28 06:14:16] [info] ERC_ERR019 -> 651
[2025-08-28 06:14:16] [info] LVS_ERR003 -> 649
[2025-08-28 06:14:16] [info] ERC_ERR003 -> 649
[2025-08-28 06:14:16] [info] LVS_ERR025 -> 2
[2025-08-28 06:14:16] [info] ERC_ERR008 -> 2
[2025-08-28 06:14:16] [info] ERC_ERR020 -> 1
[2025-08-28 06:14:16] [info] ERC_ERR005 -> 687
[2025-08-28 06:14:16] [info] LVS_ERR030 -> 1
[2025-08-28 06:14:16] [info] -----
[2025-08-28 06:14:16] [info]           Summary

```

```
[2025-08-28 06:14:16] [info] -----  
[2025-08-28 06:14:16] [info] ERC Status:          PASSED  
[2025-08-28 06:14:16] [info] Instance Match Percentage: 96.92%  
[2025-08-28 06:14:16] [info] Short Circuits:      None Detected  
[2025-08-28 06:14:16] [info] Open Circuits:       None Detected  
[2025-08-28 06:14:16] [info] Unconnected Pins:    751  
[2025-08-28 06:14:16] [info] Total Errors:        2642  
[2025-08-28 06:14:16] [info] Total Warnings:      730  
[2025-08-28 06:14:16] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:29] [info] =====
[2025-08-29 10:34:29] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:34:29] [info] =====

[2025-08-29 10:34:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:34:29] [info] Run Start Time:      10:34:21 AM
[2025-08-29 10:34:29] [info] Run End Time:        10:34:28 AM
[2025-08-29 10:34:29] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:34:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:34:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:34:29] [info] User Name:           kuro
[2025-08-29 10:34:29] [info] Cores Used:          16
[2025-08-29 10:34:29] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Top Cell Match
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:34:29] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Short and Open Checks
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info] Short Circuits:      None Detected
[2025-08-29 10:34:29] [info] Open Circuits:       None Detected

[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Performance Metrics
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info] | Stage                  | Time Taken |
[2025-08-29 10:34:29] [info] |-----|-----|
[2025-08-29 10:34:29] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:34:29] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:34:29] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:34:29] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Additional Details
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:34:29] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:34:29] [info] Database Format:       GDSII
[2025-08-29 10:34:29] [info] Verification Mode:    Full Check
[2025-08-29 10:34:29] [info] Error Reporting:      Enabled

[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Type of Errors | Count
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info] DB_WARN -> 1
[2025-08-29 10:34:29] [info] DB_WARN003 -> 221
[2025-08-29 10:34:29] [info] VERI_WARN012 -> 508
[2025-08-29 10:34:29] [info] ERC_ERR019 -> 686
[2025-08-29 10:34:29] [info] LVS_ERR003 -> 685
[2025-08-29 10:34:29] [info] ERC_ERR003 -> 685
[2025-08-29 10:34:29] [info] LVS_ERR025 -> 1
[2025-08-29 10:34:29] [info] ERC_ERR008 -> 1
[2025-08-29 10:34:29] [info] ERC_ERR005 -> 717
[2025-08-29 10:34:29] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:29] [info] -----
[2025-08-29 10:34:29] [info]           Summary
[2025-08-29 10:34:29] [info] -----

```

```
[2025-08-29 10:34:29] [info] ERC Status:          PASSED
[2025-08-29 10:34:29] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:34:29] [info] Short Circuits:      None Detected
[2025-08-29 10:34:29] [info] Open Circuits:       None Detected
[2025-08-29 10:34:29] [info] Unconnected Pins:    786
[2025-08-29 10:34:29] [info] Total Errors:        2776
[2025-08-29 10:34:29] [info] Total Warnings:      730
[2025-08-29 10:34:29] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:03] [info] =====
[2025-08-29 10:34:03] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:34:03] [info] =====

[2025-08-29 10:34:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:34:03] [info] Run Start Time:      10:34:03 AM
[2025-08-29 10:34:03] [info] Run End Time:        10:34:03 AM
[2025-08-29 10:34:03] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:34:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:34:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:34:03] [info] User Name:           kuro
[2025-08-29 10:34:03] [info] Cores Used:          16
[2025-08-29 10:34:03] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Top Cell Match
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Layout Top Cell:     gcd
[2025-08-29 10:34:03] [info] Schematic Top Cell:  gcd
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Short and Open Checks
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Short Circuits:      None Detected
[2025-08-29 10:34:03] [info] Open Circuits:       None Detected

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Performance Metrics
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] | Stage                  | Time Taken |
[2025-08-29 10:34:03] [info] |-----|-----|
[2025-08-29 10:34:03] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Additional Details
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:34:03] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:34:03] [info] Database Format:       GDSII
[2025-08-29 10:34:03] [info] Verification Mode:    Full Check
[2025-08-29 10:34:03] [info] Error Reporting:      Enabled

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Type of Errors | Count
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] DB_WARN -> 1
[2025-08-29 10:34:03] [info] DB_WARN003 -> 24
[2025-08-29 10:34:03] [info] VERI_WARN012 -> 41
[2025-08-29 10:34:03] [info] ERC_ERR019 -> 33
[2025-08-29 10:34:03] [info] LVS_ERR003 -> 31
[2025-08-29 10:34:03] [info] ERC_ERR003 -> 31
[2025-08-29 10:34:03] [info] LVS_ERR025 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR008 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR005 -> 36
[2025-08-29 10:34:03] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Summary
[2025-08-29 10:34:03] [info] -----

```

```
[2025-08-29 10:34:03] [info] ERC Status:          PASSED
[2025-08-29 10:34:03] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:34:03] [info] Short Circuits:      None Detected
[2025-08-29 10:34:03] [info] Open Circuits:       None Detected
[2025-08-29 10:34:03] [info] Unconnected Pins:    133
[2025-08-29 10:34:03] [info] Total Errors:        136
[2025-08-29 10:34:03] [info] Total Warnings:      66
[2025-08-29 10:34:03] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:03] [info] =====
[2025-08-29 10:34:03] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:34:03] [info] =====

[2025-08-29 10:34:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:34:03] [info] Run Start Time:      10:34:03 AM
[2025-08-29 10:34:03] [info] Run End Time:        10:34:03 AM
[2025-08-29 10:34:03] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:34:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:34:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:34:03] [info] User Name:           kuro
[2025-08-29 10:34:03] [info] Cores Used:          16
[2025-08-29 10:34:03] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Top Cell Match
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Layout Top Cell:     gcd
[2025-08-29 10:34:03] [info] Schematic Top Cell:  gcd
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Short and Open Checks
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Short Circuits:      None Detected
[2025-08-29 10:34:03] [info] Open Circuits:       None Detected

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Performance Metrics
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] | Stage                  | Time Taken |
[2025-08-29 10:34:03] [info] |-----|-----|
[2025-08-29 10:34:03] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Additional Details
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:34:03] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:34:03] [info] Database Format:       GDSII
[2025-08-29 10:34:03] [info] Verification Mode:    Full Check
[2025-08-29 10:34:03] [info] Error Reporting:      Enabled

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Type of Errors | Count
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] DB_WARN -> 1
[2025-08-29 10:34:03] [info] DB_WARN003 -> 34
[2025-08-29 10:34:03] [info] VERI_WARN012 -> 40
[2025-08-29 10:34:03] [info] ERC_ERR019 -> 34
[2025-08-29 10:34:03] [info] LVS_ERR003 -> 32
[2025-08-29 10:34:03] [info] ERC_ERR003 -> 32
[2025-08-29 10:34:03] [info] LVS_ERR025 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR008 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR020 -> 1
[2025-08-29 10:34:03] [info] ERC_ERR005 -> 35
[2025-08-29 10:34:03] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info]           Summary

```

```
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] ERC Status:          PASSED
[2025-08-29 10:34:03] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:34:03] [info] Short Circuits:      None Detected
[2025-08-29 10:34:03] [info] Open Circuits:       None Detected
[2025-08-29 10:34:03] [info] Unconnected Pins:    134
[2025-08-29 10:34:03] [info] Total Errors:        139
[2025-08-29 10:34:03] [info] Total Warnings:      75
[2025-08-29 10:34:03] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:03] [info] =====
[2025-08-29 10:34:03] [info] Electrical Rule Check Summary Report
[2025-08-29 10:34:03] [info] =====

[2025-08-29 10:34:03] [info] Report Generated: 2025-08-29
[2025-08-29 10:34:03] [info] Run Start Time: 10:34:03 AM
[2025-08-29 10:34:03] [info] Run End Time: 10:34:03 AM
[2025-08-29 10:34:03] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:34:03] [info] Tool Version: LVR_2025.1
[2025-08-29 10:34:03] [info] Host Name: kuro-Workstation
[2025-08-29 10:34:03] [info] User Name: kuro
[2025-08-29 10:34:03] [info] Cores Used: 16
[2025-08-29 10:34:03] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Top Cell Match
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Layout Top Cell: gcd
[2025-08-29 10:34:03] [info] Schematic Top Cell: gcd
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Short and Open Checks
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Short Circuits: None Detected
[2025-08-29 10:34:03] [info] Open Circuits: None Detected

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Performance Metrics
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] | Stage | Time Taken |
[2025-08-29 10:34:03] [info] |-----|-----|
[2025-08-29 10:34:03] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:34:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Additional Details
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:34:03] [info] Hierarchical Cells: Flattened
[2025-08-29 10:34:03] [info] Database Format: GDSII
[2025-08-29 10:34:03] [info] Verification Mode: Full Check
[2025-08-29 10:34:03] [info] Error Reporting: Enabled

[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Type of Errors | Count
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] DB_WARN -> 1
[2025-08-29 10:34:03] [info] DB_WARN003 -> 26
[2025-08-29 10:34:03] [info] VERI_WARN012 -> 39
[2025-08-29 10:34:03] [info] ERC_ERR019 -> 38
[2025-08-29 10:34:03] [info] LVS_ERR003 -> 36
[2025-08-29 10:34:03] [info] ERC_ERR003 -> 36
[2025-08-29 10:34:03] [info] LVS_ERR025 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR008 -> 2
[2025-08-29 10:34:03] [info] ERC_ERR005 -> 38
[2025-08-29 10:34:03] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:03] [info] -----
[2025-08-29 10:34:03] [info] Summary
[2025-08-29 10:34:03] [info] -----

```

```
[2025-08-29 10:34:03] [info] ERC Status:          PASSED
[2025-08-29 10:34:03] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:34:03] [info] Short Circuits:      None Detected
[2025-08-29 10:34:03] [info] Open Circuits:       None Detected
[2025-08-29 10:34:03] [info] Unconnected Pins:    138
[2025-08-29 10:34:03] [info] Total Errors:        153
[2025-08-29 10:34:03] [info] Total Warnings:      66
[2025-08-29 10:34:03] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:39] [info] =====
[2025-08-29 10:34:39] [info] Electrical Rule Check Summary Report
[2025-08-29 10:34:39] [info] =====

[2025-08-29 10:34:39] [info] Report Generated: 2025-08-29
[2025-08-29 10:34:39] [info] Run Start Time: 10:34:32 AM
[2025-08-29 10:34:39] [info] Run End Time: 10:34:39 AM
[2025-08-29 10:34:39] [info] Time Taken: 0 minutes 10 seconds

[2025-08-29 10:34:39] [info] Tool Version: LVR_2025.1
[2025-08-29 10:34:39] [info] Host Name: kuro-Workstation
[2025-08-29 10:34:39] [info] User Name: kuro
[2025-08-29 10:34:39] [info] Cores Used: 16
[2025-08-29 10:34:39] [info] Memory Utilized: 1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Top Cell Match
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Layout Top Cell: ibex_core
[2025-08-29 10:34:39] [info] Schematic Top Cell: ibex_core
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Short and Open Checks
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Short Circuits: None Detected
[2025-08-29 10:34:39] [info] Open Circuits: None Detected

[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Performance Metrics
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] | Stage | Time Taken |
[2025-08-29 10:34:39] [info] |-----|-----|
[2025-08-29 10:34:39] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:34:39] [info] | Connectivity Extraction | 0 minutes 5 seconds |
[2025-08-29 10:34:39] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:34:39] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Additional Details
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:34:39] [info] Hierarchical Cells: Flattened
[2025-08-29 10:34:39] [info] Database Format: GDSII
[2025-08-29 10:34:39] [info] Verification Mode: Full Check
[2025-08-29 10:34:39] [info] Error Reporting: Enabled

[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Type of Errors | Count
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] DB_WARN -> 1
[2025-08-29 10:34:39] [info] DB_WARN003 -> 85
[2025-08-29 10:34:39] [info] VERI_WARN012 -> 828
[2025-08-29 10:34:39] [info] ERC_ERR019 -> 903
[2025-08-29 10:34:39] [info] LVS_ERR003 -> 894
[2025-08-29 10:34:39] [info] ERC_ERR003 -> 894
[2025-08-29 10:34:39] [info] LVS_ERR025 -> 1
[2025-08-29 10:34:39] [info] ERC_ERR008 -> 1
[2025-08-29 10:34:39] [info] ERC_ERR020 -> 1
[2025-08-29 10:34:39] [info] ERC_ERR005 -> 961
[2025-08-29 10:34:39] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:39] [info] -----
[2025-08-29 10:34:39] [info] Summary

```

```
[2025-08-29 10:34:39] [info] -----  
[2025-08-29 10:34:39] [info] ERC Status:          PASSED  
[2025-08-29 10:34:39] [info] Instance Match Percentage: 94.91%  
[2025-08-29 10:34:39] [info] Short Circuits:      None Detected  
[2025-08-29 10:34:39] [info] Open Circuits:       None Detected  
[2025-08-29 10:34:39] [info] Unconnected Pins:    1003  
[2025-08-29 10:34:39] [info] Total Errors:        3656  
[2025-08-29 10:34:39] [info] Total Warnings:      914  
[2025-08-29 10:34:39] [info] Critical Issues:     None
```

```

[2025-08-28 06:14:42] [info] =====
[2025-08-28 06:14:42] [info]           Electrical Rule Check Summary Report
[2025-08-28 06:14:42] [info] =====

[2025-08-28 06:14:42] [info] Report Generated:    2025-08-28
[2025-08-28 06:14:42] [info] Run Start Time:      06:14:35 AM
[2025-08-28 06:14:42] [info] Run End Time:        06:14:42 AM
[2025-08-28 06:14:42] [info] Time Taken:          0 minutes 10 seconds

[2025-08-28 06:14:42] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:14:42] [info] Host Name:           kuro-Workstation
[2025-08-28 06:14:42] [info] User Name:           kuro
[2025-08-28 06:14:42] [info] Cores Used:          16
[2025-08-28 06:14:42] [info] Memory Utilized:     1574.52 MB / 62.5692024230957 GB

[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Top Cell Match
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info] Layout Top Cell:     ibex_core
[2025-08-28 06:14:42] [info] Schematic Top Cell:  ibex_core
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Short and Open Checks
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info] Short Circuits:      None Detected
[2025-08-28 06:14:42] [info] Open Circuits:       None Detected

[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Performance Metrics
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info] | Stage                  | Time Taken |
[2025-08-28 06:14:42] [info] |-----|-----|
[2025-08-28 06:14:42] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 06:14:42] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-28 06:14:42] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 06:14:42] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Additional Details
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info] Technology Node:      Nangate45 (45nm)
[2025-08-28 06:14:42] [info] Hierarchical Cells:   Flattened
[2025-08-28 06:14:42] [info] Database Format:       GDSII
[2025-08-28 06:14:42] [info] Verification Mode:    Full Check
[2025-08-28 06:14:42] [info] Error Reporting:      Enabled

[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Type of Errors | Count
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info] DB_WARN -> 1
[2025-08-28 06:14:42] [info] DB_WARN003 -> 85
[2025-08-28 06:14:42] [info] VERI_WARN012 -> 828
[2025-08-28 06:14:42] [info] ERC_ERR019 -> 903
[2025-08-28 06:14:42] [info] LVS_ERR003 -> 894
[2025-08-28 06:14:42] [info] ERC_ERR003 -> 894
[2025-08-28 06:14:42] [info] LVS_ERR025 -> 1
[2025-08-28 06:14:42] [info] ERC_ERR008 -> 1
[2025-08-28 06:14:42] [info] ERC_ERR020 -> 1
[2025-08-28 06:14:42] [info] ERC_ERR005 -> 961
[2025-08-28 06:14:42] [info] LVS_ERR030 -> 1
[2025-08-28 06:14:42] [info] -----
[2025-08-28 06:14:42] [info]           Summary

```

```
[2025-08-28 06:14:42] [info] -----  
[2025-08-28 06:14:42] [info] ERC Status:          PASSED  
[2025-08-28 06:14:42] [info] Instance Match Percentage: 94.91%  
[2025-08-28 06:14:42] [info] Short Circuits:      None Detected  
[2025-08-28 06:14:42] [info] Open Circuits:       None Detected  
[2025-08-28 06:14:42] [info] Unconnected Pins:    1003  
[2025-08-28 06:14:42] [info] Total Errors:        3656  
[2025-08-28 06:14:42] [info] Total Warnings:      914  
[2025-08-28 06:14:42] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:54] [info] =====
[2025-08-29 10:34:54] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:34:54] [info] =====

[2025-08-29 10:34:54] [info] Report Generated:    2025-08-29
[2025-08-29 10:34:54] [info] Run Start Time:      10:34:47 AM
[2025-08-29 10:34:54] [info] Run End Time:        10:34:54 AM
[2025-08-29 10:34:54] [info] Time Taken:          0 minutes 9 seconds

[2025-08-29 10:34:54] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:34:54] [info] Host Name:           kuro-Workstation
[2025-08-29 10:34:54] [info] User Name:           kuro
[2025-08-29 10:34:54] [info] Cores Used:          16
[2025-08-29 10:34:54] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Top Cell Match
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:34:54] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Short and Open Checks
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info] Short Circuits:      None Detected
[2025-08-29 10:34:54] [info] Open Circuits:       None Detected

[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Performance Metrics
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info] | Stage                  | Time Taken |
[2025-08-29 10:34:54] [info] |-----|-----|
[2025-08-29 10:34:54] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:34:54] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:34:54] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:34:54] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Additional Details
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:34:54] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:34:54] [info] Database Format:       GDSII
[2025-08-29 10:34:54] [info] Verification Mode:    Full Check
[2025-08-29 10:34:54] [info] Error Reporting:      Enabled

[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Type of Errors | Count
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info] DB_WARN -> 1
[2025-08-29 10:34:54] [info] DB_WARN003 -> 98
[2025-08-29 10:34:54] [info] VERI_WARN012 -> 828
[2025-08-29 10:34:54] [info] ERC_ERR019 -> 880
[2025-08-29 10:34:54] [info] LVS_ERR003 -> 871
[2025-08-29 10:34:54] [info] ERC_ERR003 -> 871
[2025-08-29 10:34:54] [info] LVS_ERR025 -> 1
[2025-08-29 10:34:54] [info] ERC_ERR008 -> 1
[2025-08-29 10:34:54] [info] ERC_ERR005 -> 943
[2025-08-29 10:34:54] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:54] [info] -----
[2025-08-29 10:34:54] [info]           Summary
[2025-08-29 10:34:54] [info] -----

```

```
[2025-08-29 10:34:54] [info] ERC Status:          PASSED
[2025-08-29 10:34:54] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:34:54] [info] Short Circuits:      None Detected
[2025-08-29 10:34:54] [info] Open Circuits:       None Detected
[2025-08-29 10:34:54] [info] Unconnected Pins:    980
[2025-08-29 10:34:54] [info] Total Errors:        3568
[2025-08-29 10:34:54] [info] Total Warnings:      927
[2025-08-29 10:34:54] [info] Critical Issues:     None
```

```

[2025-08-29 10:35:26] [info] =====
[2025-08-29 10:35:26] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:35:26] [info] =====

[2025-08-29 10:35:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:35:26] [info] Run Start Time:      10:35:05 AM
[2025-08-29 10:35:26] [info] Run End Time:        10:35:26 AM
[2025-08-29 10:35:26] [info] Time Taken:          0 minutes 31 seconds

[2025-08-29 10:35:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:35:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:35:26] [info] User Name:           kuro
[2025-08-29 10:35:26] [info] Cores Used:          16
[2025-08-29 10:35:26] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Top Cell Match
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:35:26] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Short and Open Checks
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info] Short Circuits:      None Detected
[2025-08-29 10:35:26] [info] Open Circuits:       None Detected

[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Performance Metrics
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info] | Stage                | Time Taken |
[2025-08-29 10:35:26] [info] |-----|-----|
[2025-08-29 10:35:26] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:35:26] [info] | Connectivity Extraction | 0 minutes 16 seconds |
[2025-08-29 10:35:26] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:35:26] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Additional Details
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:35:26] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:35:26] [info] Database Format:       GDSII
[2025-08-29 10:35:26] [info] Verification Mode:    Full Check
[2025-08-29 10:35:26] [info] Error Reporting:      Enabled

[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Type of Errors | Count
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info] DB_WARN -> 1
[2025-08-29 10:35:26] [info] DB_WARN003 -> 37
[2025-08-29 10:35:26] [info] VERI_WARN012 -> 4068
[2025-08-29 10:35:26] [info] ERC_ERR019 -> 4068
[2025-08-29 10:35:26] [info] LVS_ERR003 -> 4066
[2025-08-29 10:35:26] [info] ERC_ERR003 -> 4066
[2025-08-29 10:35:26] [info] LVS_ERR025 -> 2
[2025-08-29 10:35:26] [info] ERC_ERR008 -> 2
[2025-08-29 10:35:26] [info] ERC_ERR005 -> 4300
[2025-08-29 10:35:26] [info] LVS_ERR030 -> 1
[2025-08-29 10:35:26] [info] -----
[2025-08-29 10:35:26] [info]           Summary
[2025-08-29 10:35:26] [info] -----

```

```
[2025-08-29 10:35:26] [info] ERC Status:          PASSED
[2025-08-29 10:35:26] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:35:26] [info] Short Circuits:      None Detected
[2025-08-29 10:35:26] [info] Open Circuits:       None Detected
[2025-08-29 10:35:26] [info] Unconnected Pins:    4168
[2025-08-29 10:35:26] [info] Total Errors:        16505
[2025-08-29 10:35:26] [info] Total Warnings:      4106
[2025-08-29 10:35:26] [info] Critical Issues:     None
```

```

[2025-08-29 10:36:00] [info] =====
[2025-08-29 10:36:00] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:36:00] [info] =====

[2025-08-29 10:36:00] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:00] [info] Run Start Time:      10:35:38 AM
[2025-08-29 10:36:00] [info] Run End Time:        10:36:00 AM
[2025-08-29 10:36:00] [info] Time Taken:          0 minutes 32 seconds

[2025-08-29 10:36:00] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:00] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:00] [info] User Name:           kuro
[2025-08-29 10:36:00] [info] Cores Used:          16
[2025-08-29 10:36:00] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Top Cell Match
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:36:00] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Short and Open Checks
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info] Short Circuits:      None Detected
[2025-08-29 10:36:00] [info] Open Circuits:       None Detected

[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Performance Metrics
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:00] [info] |-----|-----|
[2025-08-29 10:36:00] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:36:00] [info] | Connectivity Extraction | 0 minutes 16 seconds |
[2025-08-29 10:36:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:36:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Additional Details
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:36:00] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:36:00] [info] Database Format:       GDSII
[2025-08-29 10:36:00] [info] Verification Mode:    Full Check
[2025-08-29 10:36:00] [info] Error Reporting:      Enabled

[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Type of Errors | Count
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info] DB_WARN -> 1
[2025-08-29 10:36:00] [info] DB_WARN003 -> 39
[2025-08-29 10:36:00] [info] VERI_WARN012 -> 4068
[2025-08-29 10:36:00] [info] ERC_ERR019 -> 4055
[2025-08-29 10:36:00] [info] LVS_ERR003 -> 4054
[2025-08-29 10:36:00] [info] ERC_ERR003 -> 4054
[2025-08-29 10:36:00] [info] LVS_ERR025 -> 1
[2025-08-29 10:36:00] [info] ERC_ERR008 -> 1
[2025-08-29 10:36:00] [info] ERC_ERR005 -> 4306
[2025-08-29 10:36:00] [info] LVS_ERR030 -> 1
[2025-08-29 10:36:00] [info] -----
[2025-08-29 10:36:00] [info]           Summary
[2025-08-29 10:36:00] [info] -----

```

```
[2025-08-29 10:36:00] [info] ERC Status:          PASSED
[2025-08-29 10:36:00] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:36:00] [info] Short Circuits:      None Detected
[2025-08-29 10:36:00] [info] Open Circuits:       None Detected
[2025-08-29 10:36:00] [info] Unconnected Pins:    4155
[2025-08-29 10:36:00] [info] Total Errors:        16472
[2025-08-29 10:36:00] [info] Total Warnings:      4108
[2025-08-29 10:36:00] [info] Critical Issues:     None
```

```

[2025-08-29 10:36:32] [info] =====
[2025-08-29 10:36:32] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:36:32] [info] =====

[2025-08-29 10:36:32] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:32] [info] Run Start Time:      10:36:11 AM
[2025-08-29 10:36:32] [info] Run End Time:        10:36:32 AM
[2025-08-29 10:36:32] [info] Time Taken:          0 minutes 30 seconds

[2025-08-29 10:36:32] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:32] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:32] [info] User Name:           kuro
[2025-08-29 10:36:32] [info] Cores Used:          16
[2025-08-29 10:36:32] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Top Cell Match
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:36:32] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Short and Open Checks
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info] Short Circuits:      None Detected
[2025-08-29 10:36:32] [info] Open Circuits:       None Detected

[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Performance Metrics
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:32] [info] |-----|-----|
[2025-08-29 10:36:32] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:32] [info] | Connectivity Extraction  | 0 minutes 15 seconds |
[2025-08-29 10:36:32] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:32] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Additional Details
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:36:32] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:36:32] [info] Database Format:       GDSII
[2025-08-29 10:36:32] [info] Verification Mode:    Full Check
[2025-08-29 10:36:32] [info] Error Reporting:      Enabled

[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Type of Errors | Count
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info] DB_WARN -> 1
[2025-08-29 10:36:32] [info] DB_WARN003 -> 34
[2025-08-29 10:36:32] [info] VERI_WARN012 -> 4068
[2025-08-29 10:36:32] [info] ERC_ERR019 -> 4068
[2025-08-29 10:36:32] [info] LVS_ERR003 -> 4067
[2025-08-29 10:36:32] [info] ERC_ERR003 -> 4067
[2025-08-29 10:36:32] [info] LVS_ERR025 -> 1
[2025-08-29 10:36:32] [info] ERC_ERR008 -> 1
[2025-08-29 10:36:32] [info] ERC_ERR020 -> 1
[2025-08-29 10:36:32] [info] ERC_ERR005 -> 4305
[2025-08-29 10:36:32] [info] LVS_ERR030 -> 1
[2025-08-29 10:36:32] [info] -----
[2025-08-29 10:36:32] [info]           Summary

```

```
[2025-08-29 10:36:32] [info] -----  
[2025-08-29 10:36:32] [info] ERC Status:          PASSED  
[2025-08-29 10:36:32] [info] Instance Match Percentage: 92.40%  
[2025-08-29 10:36:32] [info] Short Circuits:      None Detected  
[2025-08-29 10:36:32] [info] Open Circuits:       None Detected  
[2025-08-29 10:36:32] [info] Unconnected Pins:    4168  
[2025-08-29 10:36:32] [info] Total Errors:        16511  
[2025-08-29 10:36:32] [info] Total Warnings:      4103  
[2025-08-29 10:36:32] [info] Critical Issues:     None
```

```

[2025-08-29 10:23:54] [info] =====
[2025-08-29 10:23:54] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:23:54] [info] =====

[2025-08-29 10:23:54] [info] Report Generated:    2025-08-29
[2025-08-29 10:23:54] [info] Run Start Time:      10:23:34 AM
[2025-08-29 10:23:54] [info] Run End Time:        10:23:54 AM
[2025-08-29 10:23:54] [info] Time Taken:          0 minutes 22 seconds

[2025-08-29 10:23:54] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:23:54] [info] Host Name:           kuro-Workstation
[2025-08-29 10:23:54] [info] User Name:           kuro
[2025-08-29 10:23:54] [info] Cores Used:          1
[2025-08-29 10:23:54] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Top Cell Match
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:23:54] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Short and Open Checks
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info] Short Circuits:      None Detected
[2025-08-29 10:23:54] [info] Open Circuits:       None Detected

[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Performance Metrics
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info] | Stage                | Time Taken |
[2025-08-29 10:23:54] [info] |-----|-----|
[2025-08-29 10:23:54] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-29 10:23:54] [info] | Connectivity Extraction | 0 minutes 18 seconds |
[2025-08-29 10:23:54] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-29 10:23:54] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Additional Details
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:23:54] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:23:54] [info] Database Format:       GDSII
[2025-08-29 10:23:54] [info] Verification Mode:    Full Check
[2025-08-29 10:23:54] [info] Error Reporting:      Enabled

[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Type of Errors | Count
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info] DB_WARN -> 1
[2025-08-29 10:23:54] [info] DB_WARN003 -> 221
[2025-08-29 10:23:54] [info] VERI_WARN012 -> 508
[2025-08-29 10:23:54] [info] ERC_ERR019 -> 651
[2025-08-29 10:23:54] [info] LVS_ERR003 -> 649
[2025-08-29 10:23:54] [info] ERC_ERR003 -> 649
[2025-08-29 10:23:54] [info] LVS_ERR025 -> 2
[2025-08-29 10:23:54] [info] ERC_ERR008 -> 2
[2025-08-29 10:23:54] [info] ERC_ERR020 -> 1
[2025-08-29 10:23:54] [info] ERC_ERR005 -> 687
[2025-08-29 10:23:54] [info] LVS_ERR030 -> 1
[2025-08-29 10:23:54] [info] -----
[2025-08-29 10:23:54] [info]           Summary

```

```
[2025-08-29 10:23:54] [info] -----  
[2025-08-29 10:23:54] [info] ERC Status:          PASSED  
[2025-08-29 10:23:54] [info] Instance Match Percentage: 96.92%  
[2025-08-29 10:23:54] [info] Short Circuits:      None Detected  
[2025-08-29 10:23:54] [info] Open Circuits:       None Detected  
[2025-08-29 10:23:54] [info] Unconnected Pins:    751  
[2025-08-29 10:23:54] [info] Total Errors:        2642  
[2025-08-29 10:23:54] [info] Total Warnings:      730  
[2025-08-29 10:23:54] [info] Critical Issues:     None
```

```

[2025-08-28 06:03:50] [info] =====
[2025-08-28 06:03:50] [info]           Electrical Rule Check Summary Report
[2025-08-28 06:03:50] [info] =====

[2025-08-28 06:03:50] [info] Report Generated:    2025-08-28
[2025-08-28 06:03:50] [info] Run Start Time:      06:03:29 AM
[2025-08-28 06:03:50] [info] Run End Time:        06:03:50 AM
[2025-08-28 06:03:50] [info] Time Taken:          0 minutes 23 seconds

[2025-08-28 06:03:50] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:03:50] [info] Host Name:           kuro-Workstation
[2025-08-28 06:03:50] [info] User Name:           kuro
[2025-08-28 06:03:50] [info] Cores Used:          1
[2025-08-28 06:03:50] [info] Memory Utilized:     1452.70 MB / 62.5692024230957 GB

[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Top Cell Match
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info] Layout Top Cell:     aes_cipher_top
[2025-08-28 06:03:50] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Short and Open Checks
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info] Short Circuits:      None Detected
[2025-08-28 06:03:50] [info] Open Circuits:       None Detected

[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Performance Metrics
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info] | Stage                  | Time Taken |
[2025-08-28 06:03:50] [info] |-----|-----|
[2025-08-28 06:03:50] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 06:03:50] [info] | Connectivity Extraction  | 0 minutes 18 seconds |
[2025-08-28 06:03:50] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 06:03:50] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Additional Details
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info] Technology Node:      Nangate45 (45nm)
[2025-08-28 06:03:50] [info] Hierarchical Cells:   Flattened
[2025-08-28 06:03:50] [info] Database Format:       GDSII
[2025-08-28 06:03:50] [info] Verification Mode:    Full Check
[2025-08-28 06:03:50] [info] Error Reporting:      Enabled

[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Type of Errors | Count
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info] DB_WARN -> 1
[2025-08-28 06:03:50] [info] DB_WARN003 -> 221
[2025-08-28 06:03:50] [info] VERI_WARN012 -> 508
[2025-08-28 06:03:50] [info] ERC_ERR019 -> 651
[2025-08-28 06:03:50] [info] LVS_ERR003 -> 649
[2025-08-28 06:03:50] [info] ERC_ERR003 -> 649
[2025-08-28 06:03:50] [info] LVS_ERR025 -> 2
[2025-08-28 06:03:50] [info] ERC_ERR008 -> 2
[2025-08-28 06:03:50] [info] ERC_ERR020 -> 1
[2025-08-28 06:03:50] [info] ERC_ERR005 -> 687
[2025-08-28 06:03:50] [info] LVS_ERR030 -> 1
[2025-08-28 06:03:50] [info] -----
[2025-08-28 06:03:50] [info]           Summary

```

```
[2025-08-28 06:03:50] [info] -----  
[2025-08-28 06:03:50] [info] ERC Status:          PASSED  
[2025-08-28 06:03:50] [info] Instance Match Percentage: 96.92%  
[2025-08-28 06:03:50] [info] Short Circuits:      None Detected  
[2025-08-28 06:03:50] [info] Open Circuits:       None Detected  
[2025-08-28 06:03:50] [info] Unconnected Pins:    751  
[2025-08-28 06:03:50] [info] Total Errors:        2642  
[2025-08-28 06:03:50] [info] Total Warnings:      730  
[2025-08-28 06:03:50] [info] Critical Issues:     None
```

```

[2025-08-29 10:24:21] [info] =====
[2025-08-29 10:24:21] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:24:21] [info] =====

[2025-08-29 10:24:21] [info] Report Generated:    2025-08-29
[2025-08-29 10:24:21] [info] Run Start Time:      10:24:02 AM
[2025-08-29 10:24:21] [info] Run End Time:        10:24:21 AM
[2025-08-29 10:24:21] [info] Time Taken:          0 minutes 22 seconds

[2025-08-29 10:24:21] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:24:21] [info] Host Name:           kuro-Workstation
[2025-08-29 10:24:21] [info] User Name:           kuro
[2025-08-29 10:24:21] [info] Cores Used:          1
[2025-08-29 10:24:21] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Top Cell Match
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:24:21] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Short and Open Checks
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info] Short Circuits:      None Detected
[2025-08-29 10:24:21] [info] Open Circuits:       None Detected

[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Performance Metrics
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info] | Stage                  | Time Taken |
[2025-08-29 10:24:21] [info] |-----|-----|
[2025-08-29 10:24:21] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:24:21] [info] | Connectivity Extraction  | 0 minutes 17 seconds |
[2025-08-29 10:24:21] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:24:21] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Additional Details
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:24:21] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:24:21] [info] Database Format:       GDSII
[2025-08-29 10:24:21] [info] Verification Mode:    Full Check
[2025-08-29 10:24:21] [info] Error Reporting:      Enabled

[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Type of Errors | Count
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info] DB_WARN -> 1
[2025-08-29 10:24:21] [info] DB_WARN003 -> 221
[2025-08-29 10:24:21] [info] VERI_WARN012 -> 508
[2025-08-29 10:24:21] [info] ERC_ERR019 -> 686
[2025-08-29 10:24:21] [info] LVS_ERR003 -> 685
[2025-08-29 10:24:21] [info] ERC_ERR003 -> 685
[2025-08-29 10:24:21] [info] LVS_ERR025 -> 1
[2025-08-29 10:24:21] [info] ERC_ERR008 -> 1
[2025-08-29 10:24:21] [info] ERC_ERR005 -> 717
[2025-08-29 10:24:21] [info] LVS_ERR030 -> 1
[2025-08-29 10:24:21] [info] -----
[2025-08-29 10:24:21] [info]           Summary
[2025-08-29 10:24:21] [info] -----

```

```
[2025-08-29 10:24:21] [info] ERC Status:          PASSED
[2025-08-29 10:24:21] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:24:21] [info] Short Circuits:      None Detected
[2025-08-29 10:24:21] [info] Open Circuits:       None Detected
[2025-08-29 10:24:21] [info] Unconnected Pins:    786
[2025-08-29 10:24:21] [info] Total Errors:        2776
[2025-08-29 10:24:21] [info] Total Warnings:      730
[2025-08-29 10:24:21] [info] Critical Issues:     None
```

```

[2025-08-29 10:23:30] [info] =====
[2025-08-29 10:23:30] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:23:30] [info] =====

[2025-08-29 10:23:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:23:30] [info] Run Start Time:      10:23:30 AM
[2025-08-29 10:23:30] [info] Run End Time:        10:23:30 AM
[2025-08-29 10:23:30] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:23:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:23:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:23:30] [info] User Name:           kuro
[2025-08-29 10:23:30] [info] Cores Used:          1
[2025-08-29 10:23:30] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Top Cell Match
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info] Layout Top Cell:     gcd
[2025-08-29 10:23:30] [info] Schematic Top Cell:  gcd
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Short and Open Checks
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info] Short Circuits:      None Detected
[2025-08-29 10:23:30] [info] Open Circuits:       None Detected

[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Performance Metrics
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info] | Stage                  | Time Taken |
[2025-08-29 10:23:30] [info] |-----|-----|
[2025-08-29 10:23:30] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:23:30] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:23:30] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:23:30] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Additional Details
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:23:30] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:23:30] [info] Database Format:       GDSII
[2025-08-29 10:23:30] [info] Verification Mode:    Full Check
[2025-08-29 10:23:30] [info] Error Reporting:      Enabled

[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Type of Errors | Count
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info] DB_WARN -> 1
[2025-08-29 10:23:30] [info] DB_WARN003 -> 24
[2025-08-29 10:23:30] [info] VERI_WARN012 -> 41
[2025-08-29 10:23:30] [info] ERC_ERR019 -> 33
[2025-08-29 10:23:30] [info] LVS_ERR003 -> 31
[2025-08-29 10:23:30] [info] ERC_ERR003 -> 31
[2025-08-29 10:23:30] [info] LVS_ERR025 -> 2
[2025-08-29 10:23:30] [info] ERC_ERR008 -> 2
[2025-08-29 10:23:30] [info] ERC_ERR005 -> 36
[2025-08-29 10:23:30] [info] LVS_ERR030 -> 1
[2025-08-29 10:23:30] [info] -----
[2025-08-29 10:23:30] [info]           Summary
[2025-08-29 10:23:30] [info] -----

```

```
[2025-08-29 10:23:30] [info] ERC Status:          PASSED
[2025-08-29 10:23:30] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:23:30] [info] Short Circuits:      None Detected
[2025-08-29 10:23:30] [info] Open Circuits:      None Detected
[2025-08-29 10:23:30] [info] Unconnected Pins:    133
[2025-08-29 10:23:30] [info] Total Errors:        136
[2025-08-29 10:23:30] [info] Total Warnings:      66
[2025-08-29 10:23:30] [info] Critical Issues:     None
```

```

[2025-08-29 10:23:31] [info] =====
[2025-08-29 10:23:31] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:23:31] [info] =====

[2025-08-29 10:23:31] [info] Report Generated:    2025-08-29
[2025-08-29 10:23:31] [info] Run Start Time:      10:23:30 AM
[2025-08-29 10:23:31] [info] Run End Time:        10:23:31 AM
[2025-08-29 10:23:31] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:23:31] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:23:31] [info] Host Name:           kuro-Workstation
[2025-08-29 10:23:31] [info] User Name:           kuro
[2025-08-29 10:23:31] [info] Cores Used:          1
[2025-08-29 10:23:31] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Top Cell Match
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Layout Top Cell:     gcd
[2025-08-29 10:23:31] [info] Schematic Top Cell:  gcd
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Short and Open Checks
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Short Circuits:      None Detected
[2025-08-29 10:23:31] [info] Open Circuits:       None Detected

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Performance Metrics
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] | Stage                  | Time Taken |
[2025-08-29 10:23:31] [info] |-----|-----|
[2025-08-29 10:23:31] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Additional Details
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:23:31] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:23:31] [info] Database Format:        GDSII
[2025-08-29 10:23:31] [info] Verification Mode:     Full Check
[2025-08-29 10:23:31] [info] Error Reporting:       Enabled

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Type of Errors | Count
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] DB_WARN -> 1
[2025-08-29 10:23:31] [info] DB_WARN003 -> 34
[2025-08-29 10:23:31] [info] VERI_WARN012 -> 40
[2025-08-29 10:23:31] [info] ERC_ERR019 -> 34
[2025-08-29 10:23:31] [info] LVS_ERR003 -> 32
[2025-08-29 10:23:31] [info] ERC_ERR003 -> 32
[2025-08-29 10:23:31] [info] LVS_ERR025 -> 2
[2025-08-29 10:23:31] [info] ERC_ERR008 -> 2
[2025-08-29 10:23:31] [info] ERC_ERR020 -> 1
[2025-08-29 10:23:31] [info] ERC_ERR005 -> 35
[2025-08-29 10:23:31] [info] LVS_ERR030 -> 1
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info]           Summary

```

```
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] ERC Status:          PASSED
[2025-08-29 10:23:31] [info] Instance Match Percentage: 91.78%
[2025-08-29 10:23:31] [info] Short Circuits:      None Detected
[2025-08-29 10:23:31] [info] Open Circuits:       None Detected
[2025-08-29 10:23:31] [info] Unconnected Pins:    134
[2025-08-29 10:23:31] [info] Total Errors:        139
[2025-08-29 10:23:31] [info] Total Warnings:      75
[2025-08-29 10:23:31] [info] Critical Issues:     None
```

```

[2025-08-29 10:23:31] [info] =====
[2025-08-29 10:23:31] [info] Electrical Rule Check Summary Report
[2025-08-29 10:23:31] [info] =====

[2025-08-29 10:23:31] [info] Report Generated: 2025-08-29
[2025-08-29 10:23:31] [info] Run Start Time: 10:23:31 AM
[2025-08-29 10:23:31] [info] Run End Time: 10:23:31 AM
[2025-08-29 10:23:31] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:23:31] [info] Tool Version: LVR_2025.1
[2025-08-29 10:23:31] [info] Host Name: kuro-Workstation
[2025-08-29 10:23:31] [info] User Name: kuro
[2025-08-29 10:23:31] [info] Cores Used: 1
[2025-08-29 10:23:31] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Top Cell Match
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Layout Top Cell: gcd
[2025-08-29 10:23:31] [info] Schematic Top Cell: gcd
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Short and Open Checks
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Short Circuits: None Detected
[2025-08-29 10:23:31] [info] Open Circuits: None Detected

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Performance Metrics
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] | Stage | Time Taken |
[2025-08-29 10:23:31] [info] |-----|-----|
[2025-08-29 10:23:31] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:23:31] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Additional Details
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:23:31] [info] Hierarchical Cells: Flattened
[2025-08-29 10:23:31] [info] Database Format: GDSII
[2025-08-29 10:23:31] [info] Verification Mode: Full Check
[2025-08-29 10:23:31] [info] Error Reporting: Enabled

[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Type of Errors | Count
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] DB_WARN -> 1
[2025-08-29 10:23:31] [info] DB_WARN003 -> 26
[2025-08-29 10:23:31] [info] VERI_WARN012 -> 39
[2025-08-29 10:23:31] [info] ERC_ERR019 -> 38
[2025-08-29 10:23:31] [info] LVS_ERR003 -> 36
[2025-08-29 10:23:31] [info] ERC_ERR003 -> 36
[2025-08-29 10:23:31] [info] LVS_ERR025 -> 2
[2025-08-29 10:23:31] [info] ERC_ERR008 -> 2
[2025-08-29 10:23:31] [info] ERC_ERR005 -> 38
[2025-08-29 10:23:31] [info] LVS_ERR030 -> 1
[2025-08-29 10:23:31] [info] -----
[2025-08-29 10:23:31] [info] Summary
[2025-08-29 10:23:31] [info] -----

```

```
[2025-08-29 10:23:31] [info] ERC Status:          PASSED
[2025-08-29 10:23:31] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:23:31] [info] Short Circuits:      None Detected
[2025-08-29 10:23:31] [info] Open Circuits:       None Detected
[2025-08-29 10:23:31] [info] Unconnected Pins:    138
[2025-08-29 10:23:31] [info] Total Errors:        153
[2025-08-29 10:23:31] [info] Total Warnings:      66
[2025-08-29 10:23:31] [info] Critical Issues:     None
```

```

[2025-08-29 10:24:43] [info] =====
[2025-08-29 10:24:43] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:24:43] [info] =====

[2025-08-29 10:24:43] [info] Report Generated:    2025-08-29
[2025-08-29 10:24:43] [info] Run Start Time:      10:24:24 AM
[2025-08-29 10:24:43] [info] Run End Time:        10:24:43 AM
[2025-08-29 10:24:43] [info] Time Taken:          0 minutes 21 seconds

[2025-08-29 10:24:43] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:24:43] [info] Host Name:           kuro-Workstation
[2025-08-29 10:24:43] [info] User Name:           kuro
[2025-08-29 10:24:43] [info] Cores Used:          1
[2025-08-29 10:24:43] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Top Cell Match
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:24:43] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Short and Open Checks
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info] Short Circuits:      None Detected
[2025-08-29 10:24:43] [info] Open Circuits:       None Detected

[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Performance Metrics
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info] | Stage                  | Time Taken |
[2025-08-29 10:24:43] [info] |-----|-----|
[2025-08-29 10:24:43] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:24:43] [info] | Connectivity Extraction  | 0 minutes 17 seconds |
[2025-08-29 10:24:43] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:24:43] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Additional Details
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:24:43] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:24:43] [info] Database Format:       GDSII
[2025-08-29 10:24:43] [info] Verification Mode:    Full Check
[2025-08-29 10:24:43] [info] Error Reporting:      Enabled

[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Type of Errors | Count
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info] DB_WARN -> 1
[2025-08-29 10:24:43] [info] DB_WARN003 -> 85
[2025-08-29 10:24:43] [info] VERI_WARN012 -> 828
[2025-08-29 10:24:43] [info] ERC_ERR019 -> 903
[2025-08-29 10:24:43] [info] LVS_ERR003 -> 894
[2025-08-29 10:24:43] [info] ERC_ERR003 -> 894
[2025-08-29 10:24:43] [info] LVS_ERR025 -> 1
[2025-08-29 10:24:43] [info] ERC_ERR008 -> 1
[2025-08-29 10:24:43] [info] ERC_ERR020 -> 1
[2025-08-29 10:24:43] [info] ERC_ERR005 -> 961
[2025-08-29 10:24:43] [info] LVS_ERR030 -> 1
[2025-08-29 10:24:43] [info] -----
[2025-08-29 10:24:43] [info]           Summary

```

```
[2025-08-29 10:24:43] [info] -----  
[2025-08-29 10:24:43] [info] ERC Status:          PASSED  
[2025-08-29 10:24:43] [info] Instance Match Percentage: 94.91%  
[2025-08-29 10:24:43] [info] Short Circuits:      None Detected  
[2025-08-29 10:24:43] [info] Open Circuits:       None Detected  
[2025-08-29 10:24:43] [info] Unconnected Pins:    1003  
[2025-08-29 10:24:43] [info] Total Errors:        3656  
[2025-08-29 10:24:43] [info] Total Warnings:      914  
[2025-08-29 10:24:43] [info] Critical Issues:     None
```

```

[2025-08-28 06:04:40] [info] =====
[2025-08-28 06:04:40] [info] Electrical Rule Check Summary Report
[2025-08-28 06:04:40] [info] =====

[2025-08-28 06:04:40] [info] Report Generated: 2025-08-28
[2025-08-28 06:04:40] [info] Run Start Time: 06:04:20 AM
[2025-08-28 06:04:40] [info] Run End Time: 06:04:39 AM
[2025-08-28 06:04:40] [info] Time Taken: 0 minutes 22 seconds

[2025-08-28 06:04:40] [info] Tool Version: LVR_2025.1
[2025-08-28 06:04:40] [info] Host Name: kuro-Workstation
[2025-08-28 06:04:40] [info] User Name: kuro
[2025-08-28 06:04:40] [info] Cores Used: 1
[2025-08-28 06:04:40] [info] Memory Utilized: 1574.52 MB / 62.5692024230957 GB

[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Top Cell Match
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Layout Top Cell: ibex_core
[2025-08-28 06:04:40] [info] Schematic Top Cell: ibex_core
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Short and Open Checks
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Short Circuits: None Detected
[2025-08-28 06:04:40] [info] Open Circuits: None Detected

[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Performance Metrics
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] | Stage | Time Taken |
[2025-08-28 06:04:40] [info] |-----|-----|
[2025-08-28 06:04:40] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-28 06:04:40] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-28 06:04:40] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-28 06:04:40] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Additional Details
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Technology Node: Nangate45 (45nm)
[2025-08-28 06:04:40] [info] Hierarchical Cells: Flattened
[2025-08-28 06:04:40] [info] Database Format: GDSII
[2025-08-28 06:04:40] [info] Verification Mode: Full Check
[2025-08-28 06:04:40] [info] Error Reporting: Enabled

[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Type of Errors | Count
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] DB_WARN -> 1
[2025-08-28 06:04:40] [info] DB_WARN003 -> 85
[2025-08-28 06:04:40] [info] VERI_WARN012 -> 828
[2025-08-28 06:04:40] [info] ERC_ERR019 -> 903
[2025-08-28 06:04:40] [info] LVS_ERR003 -> 894
[2025-08-28 06:04:40] [info] ERC_ERR003 -> 894
[2025-08-28 06:04:40] [info] LVS_ERR025 -> 1
[2025-08-28 06:04:40] [info] ERC_ERR008 -> 1
[2025-08-28 06:04:40] [info] ERC_ERR020 -> 1
[2025-08-28 06:04:40] [info] ERC_ERR005 -> 961
[2025-08-28 06:04:40] [info] LVS_ERR030 -> 1
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] Summary

```

```
[2025-08-28 06:04:40] [info] -----
[2025-08-28 06:04:40] [info] ERC Status:          PASSED
[2025-08-28 06:04:40] [info] Instance Match Percentage: 94.91%
[2025-08-28 06:04:40] [info] Short Circuits:      None Detected
[2025-08-28 06:04:40] [info] Open Circuits:       None Detected
[2025-08-28 06:04:40] [info] Unconnected Pins:    1003
[2025-08-28 06:04:40] [info] Total Errors:        3656
[2025-08-28 06:04:40] [info] Total Warnings:      914
[2025-08-28 06:04:40] [info] Critical Issues:     None
```

```

[2025-08-29 10:25:09] [info] =====
[2025-08-29 10:25:09] [info] Electrical Rule Check Summary Report
[2025-08-29 10:25:09] [info] =====

[2025-08-29 10:25:09] [info] Report Generated: 2025-08-29
[2025-08-29 10:25:09] [info] Run Start Time: 10:24:51 AM
[2025-08-29 10:25:09] [info] Run End Time: 10:25:09 AM
[2025-08-29 10:25:09] [info] Time Taken: 0 minutes 21 seconds

[2025-08-29 10:25:09] [info] Tool Version: LVR_2025.1
[2025-08-29 10:25:09] [info] Host Name: kuro-Workstation
[2025-08-29 10:25:09] [info] User Name: kuro
[2025-08-29 10:25:09] [info] Cores Used: 1
[2025-08-29 10:25:09] [info] Memory Utilized: 1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Top Cell Match
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Layout Top Cell: ibex_core
[2025-08-29 10:25:09] [info] Schematic Top Cell: ibex_core
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Short and Open Checks
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Short Circuits: None Detected
[2025-08-29 10:25:09] [info] Open Circuits: None Detected

[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Performance Metrics
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] | Stage | Time Taken |
[2025-08-29 10:25:09] [info] |-----|-----|
[2025-08-29 10:25:09] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:25:09] [info] | Connectivity Extraction | 0 minutes 16 seconds |
[2025-08-29 10:25:09] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:25:09] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Additional Details
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:25:09] [info] Hierarchical Cells: Flattened
[2025-08-29 10:25:09] [info] Database Format: GDSII
[2025-08-29 10:25:09] [info] Verification Mode: Full Check
[2025-08-29 10:25:09] [info] Error Reporting: Enabled

[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Type of Errors | Count
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] DB_WARN -> 1
[2025-08-29 10:25:09] [info] DB_WARN003 -> 98
[2025-08-29 10:25:09] [info] VERI_WARN012 -> 828
[2025-08-29 10:25:09] [info] ERC_ERR019 -> 880
[2025-08-29 10:25:09] [info] LVS_ERR003 -> 871
[2025-08-29 10:25:09] [info] ERC_ERR003 -> 871
[2025-08-29 10:25:09] [info] LVS_ERR025 -> 1
[2025-08-29 10:25:09] [info] ERC_ERR008 -> 1
[2025-08-29 10:25:09] [info] ERC_ERR005 -> 943
[2025-08-29 10:25:09] [info] LVS_ERR030 -> 1
[2025-08-29 10:25:09] [info] -----
[2025-08-29 10:25:09] [info] Summary
[2025-08-29 10:25:09] [info] -----

```

```
[2025-08-29 10:25:09] [info] ERC Status:          PASSED
[2025-08-29 10:25:09] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:25:09] [info] Short Circuits:      None Detected
[2025-08-29 10:25:09] [info] Open Circuits:       None Detected
[2025-08-29 10:25:09] [info] Unconnected Pins:    980
[2025-08-29 10:25:09] [info] Total Errors:        3568
[2025-08-29 10:25:09] [info] Total Warnings:      927
[2025-08-29 10:25:09] [info] Critical Issues:     None
```

```

[2025-08-29 10:26:13] [info] =====
[2025-08-29 10:26:13] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:26:13] [info] =====

[2025-08-29 10:26:13] [info] Report Generated:    2025-08-29
[2025-08-29 10:26:13] [info] Run Start Time:      10:25:20 AM
[2025-08-29 10:26:13] [info] Run End Time:        10:26:13 AM
[2025-08-29 10:26:13] [info] Time Taken:          1 minutes 2 seconds

[2025-08-29 10:26:13] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:26:13] [info] Host Name:           kuro-Workstation
[2025-08-29 10:26:13] [info] User Name:           kuro
[2025-08-29 10:26:13] [info] Cores Used:          1
[2025-08-29 10:26:13] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Top Cell Match
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:26:13] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Short and Open Checks
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info] Short Circuits:      None Detected
[2025-08-29 10:26:13] [info] Open Circuits:       None Detected

[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Performance Metrics
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info] | Stage                  | Time Taken |
[2025-08-29 10:26:13] [info] |-----|-----|
[2025-08-29 10:26:13] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:26:13] [info] | Connectivity Extraction  | 0 minutes 47 seconds |
[2025-08-29 10:26:13] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:26:13] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Additional Details
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:26:13] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:26:13] [info] Database Format:       GDSII
[2025-08-29 10:26:13] [info] Verification Mode:    Full Check
[2025-08-29 10:26:13] [info] Error Reporting:      Enabled

[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Type of Errors | Count
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info] DB_WARN -> 1
[2025-08-29 10:26:13] [info] DB_WARN003 -> 37
[2025-08-29 10:26:13] [info] VERI_WARN012 -> 4068
[2025-08-29 10:26:13] [info] ERC_ERR019 -> 4068
[2025-08-29 10:26:13] [info] LVS_ERR003 -> 4066
[2025-08-29 10:26:13] [info] ERC_ERR003 -> 4066
[2025-08-29 10:26:13] [info] LVS_ERR025 -> 2
[2025-08-29 10:26:13] [info] ERC_ERR008 -> 2
[2025-08-29 10:26:13] [info] ERC_ERR005 -> 4300
[2025-08-29 10:26:13] [info] LVS_ERR030 -> 1
[2025-08-29 10:26:13] [info] -----
[2025-08-29 10:26:13] [info]           Summary
[2025-08-29 10:26:13] [info] -----

```

```
[2025-08-29 10:26:13] [info] ERC Status:          PASSED
[2025-08-29 10:26:13] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:26:13] [info] Short Circuits:      None Detected
[2025-08-29 10:26:13] [info] Open Circuits:       None Detected
[2025-08-29 10:26:13] [info] Unconnected Pins:    4168
[2025-08-29 10:26:13] [info] Total Errors:        16505
[2025-08-29 10:26:13] [info] Total Warnings:      4106
[2025-08-29 10:26:13] [info] Critical Issues:     None
```

```

[2025-08-29 10:27:19] [info] =====
[2025-08-29 10:27:19] [info] Electrical Rule Check Summary Report
[2025-08-29 10:27:19] [info] =====

[2025-08-29 10:27:19] [info] Report Generated: 2025-08-29
[2025-08-29 10:27:19] [info] Run Start Time: 10:26:25 AM
[2025-08-29 10:27:19] [info] Run End Time: 10:27:18 AM
[2025-08-29 10:27:19] [info] Time Taken: 1 minutes 4 seconds

[2025-08-29 10:27:19] [info] Tool Version: LVR_2025.1
[2025-08-29 10:27:19] [info] Host Name: kuro-Workstation
[2025-08-29 10:27:19] [info] User Name: kuro
[2025-08-29 10:27:19] [info] Cores Used: 1
[2025-08-29 10:27:19] [info] Memory Utilized: 4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Top Cell Match
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:27:19] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Short and Open Checks
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Short Circuits: None Detected
[2025-08-29 10:27:19] [info] Open Circuits: None Detected

[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Performance Metrics
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] | Stage | Time Taken |
[2025-08-29 10:27:19] [info] |-----|-----|
[2025-08-29 10:27:19] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:27:19] [info] | Connectivity Extraction | 0 minutes 48 seconds |
[2025-08-29 10:27:19] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:27:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Additional Details
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:27:19] [info] Hierarchical Cells: Flattened
[2025-08-29 10:27:19] [info] Database Format: GDSII
[2025-08-29 10:27:19] [info] Verification Mode: Full Check
[2025-08-29 10:27:19] [info] Error Reporting: Enabled

[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Type of Errors | Count
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] DB_WARN -> 1
[2025-08-29 10:27:19] [info] DB_WARN003 -> 39
[2025-08-29 10:27:19] [info] VERI_WARN012 -> 4068
[2025-08-29 10:27:19] [info] ERC_ERR019 -> 4055
[2025-08-29 10:27:19] [info] LVS_ERR003 -> 4054
[2025-08-29 10:27:19] [info] ERC_ERR003 -> 4054
[2025-08-29 10:27:19] [info] LVS_ERR025 -> 1
[2025-08-29 10:27:19] [info] ERC_ERR008 -> 1
[2025-08-29 10:27:19] [info] ERC_ERR005 -> 4306
[2025-08-29 10:27:19] [info] LVS_ERR030 -> 1
[2025-08-29 10:27:19] [info] -----
[2025-08-29 10:27:19] [info] Summary
[2025-08-29 10:27:19] [info] -----

```

```
[2025-08-29 10:27:19] [info] ERC Status:          PASSED
[2025-08-29 10:27:19] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:27:19] [info] Short Circuits:      None Detected
[2025-08-29 10:27:19] [info] Open Circuits:       None Detected
[2025-08-29 10:27:19] [info] Unconnected Pins:    4155
[2025-08-29 10:27:19] [info] Total Errors:        16472
[2025-08-29 10:27:19] [info] Total Warnings:      4108
[2025-08-29 10:27:19] [info] Critical Issues:     None
```

```

[2025-08-29 10:28:24] [info] =====
[2025-08-29 10:28:24] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:28:24] [info] =====

[2025-08-29 10:28:24] [info] Report Generated:    2025-08-29
[2025-08-29 10:28:24] [info] Run Start Time:      10:27:30 AM
[2025-08-29 10:28:24] [info] Run End Time:        10:28:23 AM
[2025-08-29 10:28:24] [info] Time Taken:          1 minutes 3 seconds

[2025-08-29 10:28:24] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:28:24] [info] Host Name:           kuro-Workstation
[2025-08-29 10:28:24] [info] User Name:           kuro
[2025-08-29 10:28:24] [info] Cores Used:          1
[2025-08-29 10:28:24] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Top Cell Match
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:28:24] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Short and Open Checks
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info] Short Circuits:      None Detected
[2025-08-29 10:28:24] [info] Open Circuits:       None Detected

[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Performance Metrics
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info] | Stage                  | Time Taken |
[2025-08-29 10:28:24] [info] |-----|-----|
[2025-08-29 10:28:24] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:28:24] [info] | Connectivity Extraction  | 0 minutes 48 seconds |
[2025-08-29 10:28:24] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:28:24] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Additional Details
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:28:24] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:28:24] [info] Database Format:       GDSII
[2025-08-29 10:28:24] [info] Verification Mode:    Full Check
[2025-08-29 10:28:24] [info] Error Reporting:      Enabled

[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Type of Errors | Count
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info] DB_WARN -> 1
[2025-08-29 10:28:24] [info] DB_WARN003 -> 34
[2025-08-29 10:28:24] [info] VERI_WARN012 -> 4068
[2025-08-29 10:28:24] [info] ERC_ERR019 -> 4068
[2025-08-29 10:28:24] [info] LVS_ERR003 -> 4067
[2025-08-29 10:28:24] [info] ERC_ERR003 -> 4067
[2025-08-29 10:28:24] [info] LVS_ERR025 -> 1
[2025-08-29 10:28:24] [info] ERC_ERR008 -> 1
[2025-08-29 10:28:24] [info] ERC_ERR020 -> 1
[2025-08-29 10:28:24] [info] ERC_ERR005 -> 4305
[2025-08-29 10:28:24] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:24] [info] -----
[2025-08-29 10:28:24] [info]           Summary

```

```
[2025-08-29 10:28:24] [info] -----  
[2025-08-29 10:28:24] [info] ERC Status:          PASSED  
[2025-08-29 10:28:24] [info] Instance Match Percentage: 92.40%  
[2025-08-29 10:28:24] [info] Short Circuits:      None Detected  
[2025-08-29 10:28:24] [info] Open Circuits:       None Detected  
[2025-08-29 10:28:24] [info] Unconnected Pins:    4168  
[2025-08-29 10:28:24] [info] Total Errors:        16511  
[2025-08-29 10:28:24] [info] Total Warnings:      4103  
[2025-08-29 10:28:24] [info] Critical Issues:     None
```

```

[2025-08-29 10:28:38] [info] =====
[2025-08-29 10:28:38] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:28:38] [info] =====

[2025-08-29 10:28:38] [info] Report Generated:    2025-08-29
[2025-08-29 10:28:38] [info] Run Start Time:      10:28:28 AM
[2025-08-29 10:28:38] [info] Run End Time:        10:28:38 AM
[2025-08-29 10:28:38] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:28:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:28:38] [info] Host Name:           kuro-Workstation
[2025-08-29 10:28:38] [info] User Name:           kuro
[2025-08-29 10:28:38] [info] Cores Used:          4
[2025-08-29 10:28:38] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Top Cell Match
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:28:38] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Short and Open Checks
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info] Short Circuits:      None Detected
[2025-08-29 10:28:38] [info] Open Circuits:       None Detected

[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Performance Metrics
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info] | Stage                  | Time Taken |
[2025-08-29 10:28:38] [info] |-----|-----|
[2025-08-29 10:28:38] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:28:38] [info] | Connectivity Extraction  | 0 minutes 8 seconds |
[2025-08-29 10:28:38] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:28:38] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Additional Details
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:28:38] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:28:38] [info] Database Format:       GDSII
[2025-08-29 10:28:38] [info] Verification Mode:    Full Check
[2025-08-29 10:28:38] [info] Error Reporting:      Enabled

[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Type of Errors | Count
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info] DB_WARN -> 1
[2025-08-29 10:28:38] [info] DB_WARN003 -> 221
[2025-08-29 10:28:38] [info] VERI_WARN012 -> 508
[2025-08-29 10:28:38] [info] ERC_ERR019 -> 651
[2025-08-29 10:28:38] [info] LVS_ERR003 -> 649
[2025-08-29 10:28:38] [info] ERC_ERR003 -> 649
[2025-08-29 10:28:38] [info] LVS_ERR025 -> 2
[2025-08-29 10:28:38] [info] ERC_ERR008 -> 2
[2025-08-29 10:28:38] [info] ERC_ERR020 -> 1
[2025-08-29 10:28:38] [info] ERC_ERR005 -> 687
[2025-08-29 10:28:38] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:38] [info] -----
[2025-08-29 10:28:38] [info]           Summary

```

```
[2025-08-29 10:28:38] [info] -----  
[2025-08-29 10:28:38] [info] ERC Status:          PASSED  
[2025-08-29 10:28:38] [info] Instance Match Percentage: 96.92%  
[2025-08-29 10:28:38] [info] Short Circuits:      None Detected  
[2025-08-29 10:28:38] [info] Open Circuits:       None Detected  
[2025-08-29 10:28:38] [info] Unconnected Pins:    751  
[2025-08-29 10:28:38] [info] Total Errors:        2642  
[2025-08-29 10:28:38] [info] Total Warnings:      730  
[2025-08-29 10:28:38] [info] Critical Issues:     None
```

```

[2025-08-28 06:08:37] [info] =====
[2025-08-28 06:08:37] [info]           Electrical Rule Check Summary Report
[2025-08-28 06:08:37] [info] =====

[2025-08-28 06:08:37] [info] Report Generated:    2025-08-28
[2025-08-28 06:08:37] [info] Run Start Time:      06:08:27 AM
[2025-08-28 06:08:37] [info] Run End Time:        06:08:37 AM
[2025-08-28 06:08:37] [info] Time Taken:          0 minutes 12 seconds

[2025-08-28 06:08:37] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:08:37] [info] Host Name:           kuro-Workstation
[2025-08-28 06:08:37] [info] User Name:           kuro
[2025-08-28 06:08:37] [info] Cores Used:          4
[2025-08-28 06:08:37] [info] Memory Utilized:     1452.70 MB / 62.5692024230957 GB

[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Top Cell Match
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info] Layout Top Cell:     aes_cipher_top
[2025-08-28 06:08:37] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Short and Open Checks
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info] Short Circuits:      None Detected
[2025-08-28 06:08:37] [info] Open Circuits:       None Detected

[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Performance Metrics
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info] | Stage                | Time Taken |
[2025-08-28 06:08:37] [info] |-----|-----|
[2025-08-28 06:08:37] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-08-28 06:08:37] [info] | Connectivity Extraction | 0 minutes 8 seconds |
[2025-08-28 06:08:37] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-08-28 06:08:37] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Additional Details
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info] Technology Node:      Nangate45 (45nm)
[2025-08-28 06:08:37] [info] Hierarchical Cells:   Flattened
[2025-08-28 06:08:37] [info] Database Format:       GDSII
[2025-08-28 06:08:37] [info] Verification Mode:    Full Check
[2025-08-28 06:08:37] [info] Error Reporting:      Enabled

[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Type of Errors | Count
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info] DB_WARN -> 1
[2025-08-28 06:08:37] [info] DB_WARN003 -> 221
[2025-08-28 06:08:37] [info] VERI_WARN012 -> 508
[2025-08-28 06:08:37] [info] ERC_ERR019 -> 651
[2025-08-28 06:08:37] [info] LVS_ERR003 -> 649
[2025-08-28 06:08:37] [info] ERC_ERR003 -> 649
[2025-08-28 06:08:37] [info] LVS_ERR025 -> 2
[2025-08-28 06:08:37] [info] ERC_ERR008 -> 2
[2025-08-28 06:08:37] [info] ERC_ERR020 -> 1
[2025-08-28 06:08:37] [info] ERC_ERR005 -> 687
[2025-08-28 06:08:37] [info] LVS_ERR030 -> 1
[2025-08-28 06:08:37] [info] -----
[2025-08-28 06:08:37] [info]           Summary

```

```
[2025-08-28 06:08:37] [info] -----  
[2025-08-28 06:08:37] [info] ERC Status:          PASSED  
[2025-08-28 06:08:37] [info] Instance Match Percentage: 96.92%  
[2025-08-28 06:08:37] [info] Short Circuits:      None Detected  
[2025-08-28 06:08:37] [info] Open Circuits:       None Detected  
[2025-08-28 06:08:37] [info] Unconnected Pins:    751  
[2025-08-28 06:08:37] [info] Total Errors:        2642  
[2025-08-28 06:08:37] [info] Total Warnings:      730  
[2025-08-28 06:08:37] [info] Critical Issues:     None
```

```

[2025-08-29 10:28:56] [info] =====
[2025-08-29 10:28:56] [info] Electrical Rule Check Summary Report
[2025-08-29 10:28:56] [info] =====

[2025-08-29 10:28:56] [info] Report Generated: 2025-08-29
[2025-08-29 10:28:56] [info] Run Start Time: 10:28:46 AM
[2025-08-29 10:28:56] [info] Run End Time: 10:28:56 AM
[2025-08-29 10:28:56] [info] Time Taken: 0 minutes 12 seconds

[2025-08-29 10:28:56] [info] Tool Version: LVR_2025.1
[2025-08-29 10:28:56] [info] Host Name: kuro-Workstation
[2025-08-29 10:28:56] [info] User Name: kuro
[2025-08-29 10:28:56] [info] Cores Used: 4
[2025-08-29 10:28:56] [info] Memory Utilized: 1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Top Cell Match
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:28:56] [info] Schematic Top Cell: aes_cipher_top
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Short and Open Checks
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Short Circuits: None Detected
[2025-08-29 10:28:56] [info] Open Circuits: None Detected

[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Performance Metrics
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] | Stage | Time Taken |
[2025-08-29 10:28:56] [info] |-----|-----|
[2025-08-29 10:28:56] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:28:56] [info] | Connectivity Extraction | 0 minutes 7 seconds |
[2025-08-29 10:28:56] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:28:56] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Additional Details
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:28:56] [info] Hierarchical Cells: Flattened
[2025-08-29 10:28:56] [info] Database Format: GDSII
[2025-08-29 10:28:56] [info] Verification Mode: Full Check
[2025-08-29 10:28:56] [info] Error Reporting: Enabled

[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Type of Errors | Count
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] DB_WARN -> 1
[2025-08-29 10:28:56] [info] DB_WARN003 -> 221
[2025-08-29 10:28:56] [info] VERI_WARN012 -> 508
[2025-08-29 10:28:56] [info] ERC_ERR019 -> 686
[2025-08-29 10:28:56] [info] LVS_ERR003 -> 685
[2025-08-29 10:28:56] [info] ERC_ERR003 -> 685
[2025-08-29 10:28:56] [info] LVS_ERR025 -> 1
[2025-08-29 10:28:56] [info] ERC_ERR008 -> 1
[2025-08-29 10:28:56] [info] ERC_ERR005 -> 717
[2025-08-29 10:28:56] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:56] [info] -----
[2025-08-29 10:28:56] [info] Summary
[2025-08-29 10:28:56] [info] -----

```

```
[2025-08-29 10:28:56] [info] ERC Status:          PASSED
[2025-08-29 10:28:56] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:28:56] [info] Short Circuits:          None Detected
[2025-08-29 10:28:56] [info] Open Circuits:          None Detected
[2025-08-29 10:28:56] [info] Unconnected Pins:        786
[2025-08-29 10:28:56] [info] Total Errors:           2776
[2025-08-29 10:28:56] [info] Total Warnings:          730
[2025-08-29 10:28:56] [info] Critical Issues:         None
```

```

[2025-08-29 10:28:25] [info] =====
[2025-08-29 10:28:25] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:28:25] [info] =====

[2025-08-29 10:28:25] [info] Report Generated:    2025-08-29
[2025-08-29 10:28:25] [info] Run Start Time:      10:28:25 AM
[2025-08-29 10:28:25] [info] Run End Time:        10:28:25 AM
[2025-08-29 10:28:25] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:28:25] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:28:25] [info] Host Name:           kuro-Workstation
[2025-08-29 10:28:25] [info] User Name:           kuro
[2025-08-29 10:28:25] [info] Cores Used:          4
[2025-08-29 10:28:25] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Top Cell Match
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Layout Top Cell:     gcd
[2025-08-29 10:28:25] [info] Schematic Top Cell:  gcd
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Short and Open Checks
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Short Circuits:      None Detected
[2025-08-29 10:28:25] [info] Open Circuits:       None Detected

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Performance Metrics
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] | Stage                  | Time Taken |
[2025-08-29 10:28:25] [info] |-----|-----|
[2025-08-29 10:28:25] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Additional Details
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:28:25] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:28:25] [info] Database Format:        GDSII
[2025-08-29 10:28:25] [info] Verification Mode:     Full Check
[2025-08-29 10:28:25] [info] Error Reporting:       Enabled

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Type of Errors | Count
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] DB_WARN -> 1
[2025-08-29 10:28:25] [info] DB_WARN003 -> 24
[2025-08-29 10:28:25] [info] VERI_WARN012 -> 41
[2025-08-29 10:28:25] [info] ERC_ERR019 -> 33
[2025-08-29 10:28:25] [info] LVS_ERR003 -> 31
[2025-08-29 10:28:25] [info] ERC_ERR003 -> 31
[2025-08-29 10:28:25] [info] LVS_ERR025 -> 2
[2025-08-29 10:28:25] [info] ERC_ERR008 -> 2
[2025-08-29 10:28:25] [info] ERC_ERR005 -> 36
[2025-08-29 10:28:25] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info]           Summary
[2025-08-29 10:28:25] [info] -----

```

```
[2025-08-29 10:28:25] [info] ERC Status:          PASSED
[2025-08-29 10:28:25] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:28:25] [info] Short Circuits:      None Detected
[2025-08-29 10:28:25] [info] Open Circuits:       None Detected
[2025-08-29 10:28:25] [info] Unconnected Pins:    133
[2025-08-29 10:28:25] [info] Total Errors:        136
[2025-08-29 10:28:25] [info] Total Warnings:      66
[2025-08-29 10:28:25] [info] Critical Issues:     None
```

```

[2025-08-29 10:28:25] [info] =====
[2025-08-29 10:28:25] [info] Electrical Rule Check Summary Report
[2025-08-29 10:28:25] [info] =====

[2025-08-29 10:28:25] [info] Report Generated: 2025-08-29
[2025-08-29 10:28:25] [info] Run Start Time: 10:28:25 AM
[2025-08-29 10:28:25] [info] Run End Time: 10:28:25 AM
[2025-08-29 10:28:25] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:28:25] [info] Tool Version: LVR_2025.1
[2025-08-29 10:28:25] [info] Host Name: kuro-Workstation
[2025-08-29 10:28:25] [info] User Name: kuro
[2025-08-29 10:28:25] [info] Cores Used: 4
[2025-08-29 10:28:25] [info] Memory Utilized: 31.00 MB / 62.569698333740234 GB

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Top Cell Match
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Layout Top Cell: gcd
[2025-08-29 10:28:25] [info] Schematic Top Cell: gcd
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Short and Open Checks
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Short Circuits: None Detected
[2025-08-29 10:28:25] [info] Open Circuits: None Detected

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Performance Metrics
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] | Stage | Time Taken |
[2025-08-29 10:28:25] [info] |-----|-----|
[2025-08-29 10:28:25] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:28:25] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Additional Details
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:28:25] [info] Hierarchical Cells: Flattened
[2025-08-29 10:28:25] [info] Database Format: GDSII
[2025-08-29 10:28:25] [info] Verification Mode: Full Check
[2025-08-29 10:28:25] [info] Error Reporting: Enabled

[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Type of Errors | Count
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] DB_WARN -> 1
[2025-08-29 10:28:25] [info] DB_WARN003 -> 34
[2025-08-29 10:28:25] [info] VERI_WARN012 -> 40
[2025-08-29 10:28:25] [info] ERC_ERR019 -> 34
[2025-08-29 10:28:25] [info] LVS_ERR003 -> 32
[2025-08-29 10:28:25] [info] ERC_ERR003 -> 32
[2025-08-29 10:28:25] [info] LVS_ERR025 -> 2
[2025-08-29 10:28:25] [info] ERC_ERR008 -> 2
[2025-08-29 10:28:25] [info] ERC_ERR020 -> 1
[2025-08-29 10:28:25] [info] ERC_ERR005 -> 35
[2025-08-29 10:28:25] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:25] [info] -----
[2025-08-29 10:28:25] [info] Summary

```

```
[2025-08-29 10:28:25] [info] -----  
[2025-08-29 10:28:25] [info] ERC Status:          PASSED  
[2025-08-29 10:28:25] [info] Instance Match Percentage: 91.78%  
[2025-08-29 10:28:25] [info] Short Circuits:      None Detected  
[2025-08-29 10:28:25] [info] Open Circuits:       None Detected  
[2025-08-29 10:28:25] [info] Unconnected Pins:    134  
[2025-08-29 10:28:25] [info] Total Errors:        139  
[2025-08-29 10:28:25] [info] Total Warnings:      75  
[2025-08-29 10:28:25] [info] Critical Issues:     None
```

```

[2025-08-29 10:28:26] [info] =====
[2025-08-29 10:28:26] [info] Electrical Rule Check Summary Report
[2025-08-29 10:28:26] [info] =====

[2025-08-29 10:28:26] [info] Report Generated: 2025-08-29
[2025-08-29 10:28:26] [info] Run Start Time: 10:28:26 AM
[2025-08-29 10:28:26] [info] Run End Time: 10:28:26 AM
[2025-08-29 10:28:26] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:28:26] [info] Tool Version: LVR_2025.1
[2025-08-29 10:28:26] [info] Host Name: kuro-Workstation
[2025-08-29 10:28:26] [info] User Name: kuro
[2025-08-29 10:28:26] [info] Cores Used: 4
[2025-08-29 10:28:26] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Top Cell Match
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Layout Top Cell: gcd
[2025-08-29 10:28:26] [info] Schematic Top Cell: gcd
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Short and Open Checks
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Short Circuits: None Detected
[2025-08-29 10:28:26] [info] Open Circuits: None Detected

[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Performance Metrics
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] | Stage | Time Taken |
[2025-08-29 10:28:26] [info] |-----|-----|
[2025-08-29 10:28:26] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:28:26] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:28:26] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:28:26] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Additional Details
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:28:26] [info] Hierarchical Cells: Flattened
[2025-08-29 10:28:26] [info] Database Format: GDSII
[2025-08-29 10:28:26] [info] Verification Mode: Full Check
[2025-08-29 10:28:26] [info] Error Reporting: Enabled

[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Type of Errors | Count
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] DB_WARN -> 1
[2025-08-29 10:28:26] [info] DB_WARN003 -> 26
[2025-08-29 10:28:26] [info] VERI_WARN012 -> 39
[2025-08-29 10:28:26] [info] ERC_ERR019 -> 38
[2025-08-29 10:28:26] [info] LVS_ERR003 -> 36
[2025-08-29 10:28:26] [info] ERC_ERR003 -> 36
[2025-08-29 10:28:26] [info] LVS_ERR025 -> 2
[2025-08-29 10:28:26] [info] ERC_ERR008 -> 2
[2025-08-29 10:28:26] [info] ERC_ERR005 -> 38
[2025-08-29 10:28:26] [info] LVS_ERR030 -> 1
[2025-08-29 10:28:26] [info] -----
[2025-08-29 10:28:26] [info] Summary
[2025-08-29 10:28:26] [info] -----

```

```
[2025-08-29 10:28:26] [info] ERC Status:          PASSED
[2025-08-29 10:28:26] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:28:26] [info] Short Circuits:      None Detected
[2025-08-29 10:28:26] [info] Open Circuits:       None Detected
[2025-08-29 10:28:26] [info] Unconnected Pins:    138
[2025-08-29 10:28:26] [info] Total Errors:        153
[2025-08-29 10:28:26] [info] Total Warnings:      66
[2025-08-29 10:28:26] [info] Critical Issues:     None
```

```

[2025-08-29 10:29:09] [info] =====
[2025-08-29 10:29:09] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:29:09] [info] =====

[2025-08-29 10:29:09] [info] Report Generated:    2025-08-29
[2025-08-29 10:29:09] [info] Run Start Time:      10:28:59 AM
[2025-08-29 10:29:09] [info] Run End Time:        10:29:09 AM
[2025-08-29 10:29:09] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:29:09] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:29:09] [info] Host Name:           kuro-Workstation
[2025-08-29 10:29:09] [info] User Name:           kuro
[2025-08-29 10:29:09] [info] Cores Used:          4
[2025-08-29 10:29:09] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Top Cell Match
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:29:09] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Short and Open Checks
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] Short Circuits:      None Detected
[2025-08-29 10:29:09] [info] Open Circuits:       None Detected

[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Performance Metrics
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] | Stage                  | Time Taken |
[2025-08-29 10:29:09] [info] |-----|-----|
[2025-08-29 10:29:09] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:29:09] [info] | Connectivity Extraction  | 0 minutes 7 seconds |
[2025-08-29 10:29:09] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:29:09] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Additional Details
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:29:09] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:29:09] [info] Database Format:       GDSII
[2025-08-29 10:29:09] [info] Verification Mode:    Full Check
[2025-08-29 10:29:09] [info] Error Reporting:      Enabled

[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Type of Errors | Count
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] DB_WARN -> 1
[2025-08-29 10:29:09] [info] DB_WARN003 -> 85
[2025-08-29 10:29:09] [info] VERI_WARN012 -> 828
[2025-08-29 10:29:09] [info] ERC_ERR019 -> 903
[2025-08-29 10:29:09] [info] LVS_ERR003 -> 894
[2025-08-29 10:29:09] [info] ERC_ERR003 -> 894
[2025-08-29 10:29:09] [info] LVS_ERR025 -> 1
[2025-08-29 10:29:09] [info] ERC_ERR008 -> 1
[2025-08-29 10:29:09] [info] ERC_ERR020 -> 1
[2025-08-29 10:29:09] [info] ERC_ERR005 -> 961
[2025-08-29 10:29:09] [info] LVS_ERR030 -> 1
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info]           Summary

```

```
[2025-08-29 10:29:09] [info] -----
[2025-08-29 10:29:09] [info] ERC Status:          PASSED
[2025-08-29 10:29:09] [info] Instance Match Percentage: 94.91%
[2025-08-29 10:29:09] [info] Short Circuits:      None Detected
[2025-08-29 10:29:09] [info] Open Circuits:       None Detected
[2025-08-29 10:29:09] [info] Unconnected Pins:    1003
[2025-08-29 10:29:09] [info] Total Errors:        3656
[2025-08-29 10:29:09] [info] Total Warnings:      914
[2025-08-29 10:29:09] [info] Critical Issues:     None
```

```

[2025-08-28 06:09:08] [info] =====
[2025-08-28 06:09:08] [info] Electrical Rule Check Summary Report
[2025-08-28 06:09:08] [info] =====

[2025-08-28 06:09:08] [info] Report Generated: 2025-08-28
[2025-08-28 06:09:08] [info] Run Start Time: 06:08:58 AM
[2025-08-28 06:09:08] [info] Run End Time: 06:09:07 AM
[2025-08-28 06:09:08] [info] Time Taken: 0 minutes 12 seconds

[2025-08-28 06:09:08] [info] Tool Version: LVR_2025.1
[2025-08-28 06:09:08] [info] Host Name: kuro-Workstation
[2025-08-28 06:09:08] [info] User Name: kuro
[2025-08-28 06:09:08] [info] Cores Used: 4
[2025-08-28 06:09:08] [info] Memory Utilized: 1574.52 MB / 62.5692024230957 GB

[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Top Cell Match
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Layout Top Cell: ibex_core
[2025-08-28 06:09:08] [info] Schematic Top Cell: ibex_core
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Short and Open Checks
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Short Circuits: None Detected
[2025-08-28 06:09:08] [info] Open Circuits: None Detected

[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Performance Metrics
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] | Stage | Time Taken |
[2025-08-28 06:09:08] [info] |-----|-----|
[2025-08-28 06:09:08] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-28 06:09:08] [info] | Connectivity Extraction | 0 minutes 7 seconds |
[2025-08-28 06:09:08] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-28 06:09:08] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Additional Details
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Technology Node: Nangate45 (45nm)
[2025-08-28 06:09:08] [info] Hierarchical Cells: Flattened
[2025-08-28 06:09:08] [info] Database Format: GDSII
[2025-08-28 06:09:08] [info] Verification Mode: Full Check
[2025-08-28 06:09:08] [info] Error Reporting: Enabled

[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Type of Errors | Count
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] DB_WARN -> 1
[2025-08-28 06:09:08] [info] DB_WARN003 -> 85
[2025-08-28 06:09:08] [info] VERI_WARN012 -> 828
[2025-08-28 06:09:08] [info] ERC_ERR019 -> 903
[2025-08-28 06:09:08] [info] LVS_ERR003 -> 894
[2025-08-28 06:09:08] [info] ERC_ERR003 -> 894
[2025-08-28 06:09:08] [info] LVS_ERR025 -> 1
[2025-08-28 06:09:08] [info] ERC_ERR008 -> 1
[2025-08-28 06:09:08] [info] ERC_ERR020 -> 1
[2025-08-28 06:09:08] [info] ERC_ERR005 -> 961
[2025-08-28 06:09:08] [info] LVS_ERR030 -> 1
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] Summary

```

```
[2025-08-28 06:09:08] [info] -----
[2025-08-28 06:09:08] [info] ERC Status:          PASSED
[2025-08-28 06:09:08] [info] Instance Match Percentage: 94.91%
[2025-08-28 06:09:08] [info] Short Circuits:      None Detected
[2025-08-28 06:09:08] [info] Open Circuits:       None Detected
[2025-08-28 06:09:08] [info] Unconnected Pins:    1003
[2025-08-28 06:09:08] [info] Total Errors:        3656
[2025-08-28 06:09:08] [info] Total Warnings:      914
[2025-08-28 06:09:08] [info] Critical Issues:     None
```

```

[2025-08-29 10:29:26] [info] =====
[2025-08-29 10:29:26] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:29:26] [info] =====

[2025-08-29 10:29:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:29:26] [info] Run Start Time:      10:29:17 AM
[2025-08-29 10:29:26] [info] Run End Time:        10:29:26 AM
[2025-08-29 10:29:26] [info] Time Taken:          0 minutes 12 seconds

[2025-08-29 10:29:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:29:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:29:26] [info] User Name:           kuro
[2025-08-29 10:29:26] [info] Cores Used:          4
[2025-08-29 10:29:26] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Top Cell Match
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:29:26] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Short and Open Checks
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info] Short Circuits:      None Detected
[2025-08-29 10:29:26] [info] Open Circuits:       None Detected

[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Performance Metrics
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info] | Stage                  | Time Taken |
[2025-08-29 10:29:26] [info] |-----|-----|
[2025-08-29 10:29:26] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:29:26] [info] | Connectivity Extraction  | 0 minutes 7 seconds |
[2025-08-29 10:29:26] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:29:26] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Additional Details
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:29:26] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:29:26] [info] Database Format:       GDSII
[2025-08-29 10:29:26] [info] Verification Mode:    Full Check
[2025-08-29 10:29:26] [info] Error Reporting:      Enabled

[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Type of Errors | Count
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info] DB_WARN -> 1
[2025-08-29 10:29:26] [info] DB_WARN003 -> 98
[2025-08-29 10:29:26] [info] VERI_WARN012 -> 828
[2025-08-29 10:29:26] [info] ERC_ERR019 -> 880
[2025-08-29 10:29:26] [info] LVS_ERR003 -> 871
[2025-08-29 10:29:26] [info] ERC_ERR003 -> 871
[2025-08-29 10:29:26] [info] LVS_ERR025 -> 1
[2025-08-29 10:29:26] [info] ERC_ERR008 -> 1
[2025-08-29 10:29:26] [info] ERC_ERR005 -> 943
[2025-08-29 10:29:26] [info] LVS_ERR030 -> 1
[2025-08-29 10:29:26] [info] -----
[2025-08-29 10:29:26] [info]           Summary
[2025-08-29 10:29:26] [info] -----

```

```
[2025-08-29 10:29:26] [info] ERC Status:          PASSED
[2025-08-29 10:29:26] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:29:26] [info] Short Circuits:      None Detected
[2025-08-29 10:29:26] [info] Open Circuits:       None Detected
[2025-08-29 10:29:26] [info] Unconnected Pins:    980
[2025-08-29 10:29:26] [info] Total Errors:        3568
[2025-08-29 10:29:26] [info] Total Warnings:      927
[2025-08-29 10:29:26] [info] Critical Issues:     None
```

```

[2025-08-29 10:30:03] [info] =====
[2025-08-29 10:30:03] [info] Electrical Rule Check Summary Report
[2025-08-29 10:30:03] [info] =====

[2025-08-29 10:30:03] [info] Report Generated: 2025-08-29
[2025-08-29 10:30:03] [info] Run Start Time: 10:29:36 AM
[2025-08-29 10:30:03] [info] Run End Time: 10:30:03 AM
[2025-08-29 10:30:03] [info] Time Taken: 0 minutes 37 seconds

[2025-08-29 10:30:03] [info] Tool Version: LVR_2025.1
[2025-08-29 10:30:03] [info] Host Name: kuro-Workstation
[2025-08-29 10:30:03] [info] User Name: kuro
[2025-08-29 10:30:03] [info] Cores Used: 4
[2025-08-29 10:30:03] [info] Memory Utilized: 4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Top Cell Match
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:30:03] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Short and Open Checks
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Short Circuits: None Detected
[2025-08-29 10:30:03] [info] Open Circuits: None Detected

[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Performance Metrics
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] | Stage | Time Taken |
[2025-08-29 10:30:03] [info] |-----|-----|
[2025-08-29 10:30:03] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:30:03] [info] | Connectivity Extraction | 0 minutes 21 seconds |
[2025-08-29 10:30:03] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:30:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Additional Details
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:30:03] [info] Hierarchical Cells: Flattened
[2025-08-29 10:30:03] [info] Database Format: GDSII
[2025-08-29 10:30:03] [info] Verification Mode: Full Check
[2025-08-29 10:30:03] [info] Error Reporting: Enabled

[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Type of Errors | Count
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] DB_WARN -> 1
[2025-08-29 10:30:03] [info] DB_WARN003 -> 37
[2025-08-29 10:30:03] [info] VERI_WARN012 -> 4068
[2025-08-29 10:30:03] [info] ERC_ERR019 -> 4068
[2025-08-29 10:30:03] [info] LVS_ERR003 -> 4066
[2025-08-29 10:30:03] [info] ERC_ERR003 -> 4066
[2025-08-29 10:30:03] [info] LVS_ERR025 -> 2
[2025-08-29 10:30:03] [info] ERC_ERR008 -> 2
[2025-08-29 10:30:03] [info] ERC_ERR005 -> 4300
[2025-08-29 10:30:03] [info] LVS_ERR030 -> 1
[2025-08-29 10:30:03] [info] -----
[2025-08-29 10:30:03] [info] Summary
[2025-08-29 10:30:03] [info] -----

```

```
[2025-08-29 10:30:03] [info] ERC Status:          PASSED
[2025-08-29 10:30:03] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:30:03] [info] Short Circuits:      None Detected
[2025-08-29 10:30:03] [info] Open Circuits:       None Detected
[2025-08-29 10:30:03] [info] Unconnected Pins:    4168
[2025-08-29 10:30:03] [info] Total Errors:        16505
[2025-08-29 10:30:03] [info] Total Warnings:      4106
[2025-08-29 10:30:03] [info] Critical Issues:     None
```

```

[2025-08-29 10:30:43] [info] =====
[2025-08-29 10:30:43] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:30:43] [info] =====

[2025-08-29 10:30:43] [info] Report Generated:    2025-08-29
[2025-08-29 10:30:43] [info] Run Start Time:      10:30:15 AM
[2025-08-29 10:30:43] [info] Run End Time:        10:30:43 AM
[2025-08-29 10:30:43] [info] Time Taken:          0 minutes 38 seconds

[2025-08-29 10:30:43] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:30:43] [info] Host Name:           kuro-Workstation
[2025-08-29 10:30:43] [info] User Name:           kuro
[2025-08-29 10:30:43] [info] Cores Used:          4
[2025-08-29 10:30:43] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Top Cell Match
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:30:43] [info] Schematic Top Cell:  jpeg_encoder
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Short and Open Checks
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info] Short Circuits:      None Detected
[2025-08-29 10:30:43] [info] Open Circuits:       None Detected

[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Performance Metrics
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info] | Stage                  | Time Taken |
[2025-08-29 10:30:43] [info] |-----|-----|
[2025-08-29 10:30:43] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:30:43] [info] | Connectivity Extraction  | 0 minutes 22 seconds |
[2025-08-29 10:30:43] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:30:43] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Additional Details
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:30:43] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:30:43] [info] Database Format:       GDSII
[2025-08-29 10:30:43] [info] Verification Mode:    Full Check
[2025-08-29 10:30:43] [info] Error Reporting:      Enabled

[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Type of Errors | Count
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info] DB_WARN -> 1
[2025-08-29 10:30:43] [info] DB_WARN003 -> 39
[2025-08-29 10:30:43] [info] VERI_WARN012 -> 4068
[2025-08-29 10:30:43] [info] ERC_ERR019 -> 4055
[2025-08-29 10:30:43] [info] LVS_ERR003 -> 4054
[2025-08-29 10:30:43] [info] ERC_ERR003 -> 4054
[2025-08-29 10:30:43] [info] LVS_ERR025 -> 1
[2025-08-29 10:30:43] [info] ERC_ERR008 -> 1
[2025-08-29 10:30:43] [info] ERC_ERR005 -> 4306
[2025-08-29 10:30:43] [info] LVS_ERR030 -> 1
[2025-08-29 10:30:43] [info] -----
[2025-08-29 10:30:43] [info]           Summary
[2025-08-29 10:30:43] [info] -----

```

```
[2025-08-29 10:30:43] [info] ERC Status:          PASSED
[2025-08-29 10:30:43] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:30:43] [info] Short Circuits:      None Detected
[2025-08-29 10:30:43] [info] Open Circuits:       None Detected
[2025-08-29 10:30:43] [info] Unconnected Pins:    4155
[2025-08-29 10:30:43] [info] Total Errors:        16472
[2025-08-29 10:30:43] [info] Total Warnings:      4108
[2025-08-29 10:30:43] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:22] [info] =====
[2025-08-29 10:31:22] [info] Electrical Rule Check Summary Report
[2025-08-29 10:31:22] [info] =====

[2025-08-29 10:31:22] [info] Report Generated: 2025-08-29
[2025-08-29 10:31:22] [info] Run Start Time: 10:30:55 AM
[2025-08-29 10:31:22] [info] Run End Time: 10:31:21 AM
[2025-08-29 10:31:22] [info] Time Taken: 0 minutes 36 seconds

[2025-08-29 10:31:22] [info] Tool Version: LVR_2025.1
[2025-08-29 10:31:22] [info] Host Name: kuro-Workstation
[2025-08-29 10:31:22] [info] User Name: kuro
[2025-08-29 10:31:22] [info] Cores Used: 4
[2025-08-29 10:31:22] [info] Memory Utilized: 4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Top Cell Match
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:31:22] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Short and Open Checks
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Short Circuits: None Detected
[2025-08-29 10:31:22] [info] Open Circuits: None Detected

[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Performance Metrics
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] | Stage | Time Taken |
[2025-08-29 10:31:22] [info] |-----|-----|
[2025-08-29 10:31:22] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:31:22] [info] | Connectivity Extraction | 0 minutes 21 seconds |
[2025-08-29 10:31:22] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:31:22] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Additional Details
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:31:22] [info] Hierarchical Cells: Flattened
[2025-08-29 10:31:22] [info] Database Format: GDSII
[2025-08-29 10:31:22] [info] Verification Mode: Full Check
[2025-08-29 10:31:22] [info] Error Reporting: Enabled

[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Type of Errors | Count
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] DB_WARN -> 1
[2025-08-29 10:31:22] [info] DB_WARN003 -> 34
[2025-08-29 10:31:22] [info] VERI_WARN012 -> 4068
[2025-08-29 10:31:22] [info] ERC_ERR019 -> 4068
[2025-08-29 10:31:22] [info] LVS_ERR003 -> 4067
[2025-08-29 10:31:22] [info] ERC_ERR003 -> 4067
[2025-08-29 10:31:22] [info] LVS_ERR025 -> 1
[2025-08-29 10:31:22] [info] ERC_ERR008 -> 1
[2025-08-29 10:31:22] [info] ERC_ERR020 -> 1
[2025-08-29 10:31:22] [info] ERC_ERR005 -> 4305
[2025-08-29 10:31:22] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:22] [info] -----
[2025-08-29 10:31:22] [info] Summary

```

```
[2025-08-29 10:31:22] [info] -----  
[2025-08-29 10:31:22] [info] ERC Status:          PASSED  
[2025-08-29 10:31:22] [info] Instance Match Percentage: 92.40%  
[2025-08-29 10:31:22] [info] Short Circuits:      None Detected  
[2025-08-29 10:31:22] [info] Open Circuits:       None Detected  
[2025-08-29 10:31:22] [info] Unconnected Pins:    4168  
[2025-08-29 10:31:22] [info] Total Errors:        16511  
[2025-08-29 10:31:22] [info] Total Warnings:      4103  
[2025-08-29 10:31:22] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:34] [info] =====
[2025-08-29 10:31:34] [info] Electrical Rule Check Summary Report
[2025-08-29 10:31:34] [info] =====

[2025-08-29 10:31:34] [info] Report Generated: 2025-08-29
[2025-08-29 10:31:34] [info] Run Start Time: 10:31:26 AM
[2025-08-29 10:31:34] [info] Run End Time: 10:31:34 AM
[2025-08-29 10:31:34] [info] Time Taken: 0 minutes 10 seconds

[2025-08-29 10:31:34] [info] Tool Version: LVR_2025.1
[2025-08-29 10:31:34] [info] Host Name: kuro-Workstation
[2025-08-29 10:31:34] [info] User Name: kuro
[2025-08-29 10:31:34] [info] Cores Used: 8
[2025-08-29 10:31:34] [info] Memory Utilized: 1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Top Cell Match
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:31:34] [info] Schematic Top Cell: aes_cipher_top
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Short and Open Checks
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Short Circuits: None Detected
[2025-08-29 10:31:34] [info] Open Circuits: None Detected

[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Performance Metrics
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] | Stage | Time Taken |
[2025-08-29 10:31:34] [info] |-----|-----|
[2025-08-29 10:31:34] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:31:34] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:31:34] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:31:34] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Additional Details
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:31:34] [info] Hierarchical Cells: Flattened
[2025-08-29 10:31:34] [info] Database Format: GDSII
[2025-08-29 10:31:34] [info] Verification Mode: Full Check
[2025-08-29 10:31:34] [info] Error Reporting: Enabled

[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:34] [info] Type of Errors | Count
[2025-08-29 10:31:34] [info] -----
[2025-08-29 10:31:35] [info] DB_WARN -> 1
[2025-08-29 10:31:35] [info] DB_WARN003 -> 221
[2025-08-29 10:31:35] [info] VERI_WARN012 -> 508
[2025-08-29 10:31:35] [info] ERC_ERR019 -> 651
[2025-08-29 10:31:35] [info] LVS_ERR003 -> 649
[2025-08-29 10:31:35] [info] ERC_ERR003 -> 649
[2025-08-29 10:31:35] [info] LVS_ERR025 -> 2
[2025-08-29 10:31:35] [info] ERC_ERR008 -> 2
[2025-08-29 10:31:35] [info] ERC_ERR020 -> 1
[2025-08-29 10:31:35] [info] ERC_ERR005 -> 687
[2025-08-29 10:31:35] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:35] [info] -----
[2025-08-29 10:31:35] [info] Summary

```

```
[2025-08-29 10:31:35] [info] -----  
[2025-08-29 10:31:35] [info] ERC Status:          PASSED  
[2025-08-29 10:31:35] [info] Instance Match Percentage: 96.92%  
[2025-08-29 10:31:35] [info] Short Circuits:      None Detected  
[2025-08-29 10:31:35] [info] Open Circuits:       None Detected  
[2025-08-29 10:31:35] [info] Unconnected Pins:    751  
[2025-08-29 10:31:35] [info] Total Errors:        2642  
[2025-08-29 10:31:35] [info] Total Warnings:      730  
[2025-08-29 10:31:35] [info] Critical Issues:     None
```

```

[2025-08-28 06:11:35] [info] =====
[2025-08-28 06:11:35] [info] Electrical Rule Check Summary Report
[2025-08-28 06:11:35] [info] =====

[2025-08-28 06:11:35] [info] Report Generated: 2025-08-28
[2025-08-28 06:11:35] [info] Run Start Time: 06:11:27 AM
[2025-08-28 06:11:35] [info] Run End Time: 06:11:35 AM
[2025-08-28 06:11:35] [info] Time Taken: 0 minutes 10 seconds

[2025-08-28 06:11:35] [info] Tool Version: LVR_2025.1
[2025-08-28 06:11:35] [info] Host Name: kuro-Workstation
[2025-08-28 06:11:35] [info] User Name: kuro
[2025-08-28 06:11:35] [info] Cores Used: 8
[2025-08-28 06:11:35] [info] Memory Utilized: 1452.70 MB / 62.5692024230957 GB

[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Top Cell Match
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Layout Top Cell: aes_cipher_top
[2025-08-28 06:11:35] [info] Schematic Top Cell: aes_cipher_top
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Short and Open Checks
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Short Circuits: None Detected
[2025-08-28 06:11:35] [info] Open Circuits: None Detected

[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Performance Metrics
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] | Stage | Time Taken |
[2025-08-28 06:11:35] [info] |-----|-----|
[2025-08-28 06:11:35] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-28 06:11:35] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-28 06:11:35] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-28 06:11:35] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Additional Details
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Technology Node: Nangate45 (45nm)
[2025-08-28 06:11:35] [info] Hierarchical Cells: Flattened
[2025-08-28 06:11:35] [info] Database Format: GDSII
[2025-08-28 06:11:35] [info] Verification Mode: Full Check
[2025-08-28 06:11:35] [info] Error Reporting: Enabled

[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Type of Errors | Count
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] DB_WARN -> 1
[2025-08-28 06:11:35] [info] DB_WARN003 -> 221
[2025-08-28 06:11:35] [info] VERI_WARN012 -> 508
[2025-08-28 06:11:35] [info] ERC_ERR019 -> 651
[2025-08-28 06:11:35] [info] LVS_ERR003 -> 649
[2025-08-28 06:11:35] [info] ERC_ERR003 -> 649
[2025-08-28 06:11:35] [info] LVS_ERR025 -> 2
[2025-08-28 06:11:35] [info] ERC_ERR008 -> 2
[2025-08-28 06:11:35] [info] ERC_ERR020 -> 1
[2025-08-28 06:11:35] [info] ERC_ERR005 -> 687
[2025-08-28 06:11:35] [info] LVS_ERR030 -> 1
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] Summary

```

```
[2025-08-28 06:11:35] [info] -----
[2025-08-28 06:11:35] [info] ERC Status:          PASSED
[2025-08-28 06:11:35] [info] Instance Match Percentage: 96.92%
[2025-08-28 06:11:35] [info] Short Circuits:      None Detected
[2025-08-28 06:11:35] [info] Open Circuits:       None Detected
[2025-08-28 06:11:35] [info] Unconnected Pins:    751
[2025-08-28 06:11:35] [info] Total Errors:        2642
[2025-08-28 06:11:35] [info] Total Warnings:      730
[2025-08-28 06:11:35] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:50] [info] =====
[2025-08-29 10:31:50] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:31:50] [info] =====

[2025-08-29 10:31:50] [info] Report Generated:    2025-08-29
[2025-08-29 10:31:50] [info] Run Start Time:      10:31:42 AM
[2025-08-29 10:31:50] [info] Run End Time:        10:31:50 AM
[2025-08-29 10:31:50] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:31:50] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:31:50] [info] Host Name:           kuro-Workstation
[2025-08-29 10:31:50] [info] User Name:           kuro
[2025-08-29 10:31:50] [info] Cores Used:          8
[2025-08-29 10:31:50] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Top Cell Match
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:31:50] [info] Schematic Top Cell:  aes_cipher_top
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Short and Open Checks
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info] Short Circuits:      None Detected
[2025-08-29 10:31:50] [info] Open Circuits:       None Detected

[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Performance Metrics
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info] | Stage                  | Time Taken |
[2025-08-29 10:31:50] [info] |-----|-----|
[2025-08-29 10:31:50] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:31:50] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:31:50] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:31:50] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Additional Details
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:31:50] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:31:50] [info] Database Format:       GDSII
[2025-08-29 10:31:50] [info] Verification Mode:    Full Check
[2025-08-29 10:31:50] [info] Error Reporting:      Enabled

[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Type of Errors | Count
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info] DB_WARN -> 1
[2025-08-29 10:31:50] [info] DB_WARN003 -> 221
[2025-08-29 10:31:50] [info] VERI_WARN012 -> 508
[2025-08-29 10:31:50] [info] ERC_ERR019 -> 686
[2025-08-29 10:31:50] [info] LVS_ERR003 -> 685
[2025-08-29 10:31:50] [info] ERC_ERR003 -> 685
[2025-08-29 10:31:50] [info] LVS_ERR025 -> 1
[2025-08-29 10:31:50] [info] ERC_ERR008 -> 1
[2025-08-29 10:31:50] [info] ERC_ERR005 -> 717
[2025-08-29 10:31:50] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:50] [info] -----
[2025-08-29 10:31:50] [info]           Summary
[2025-08-29 10:31:50] [info] -----

```

```
[2025-08-29 10:31:50] [info] ERC Status:          PASSED
[2025-08-29 10:31:50] [info] Instance Match Percentage: 96.77%
[2025-08-29 10:31:50] [info] Short Circuits:      None Detected
[2025-08-29 10:31:50] [info] Open Circuits:       None Detected
[2025-08-29 10:31:50] [info] Unconnected Pins:    786
[2025-08-29 10:31:50] [info] Total Errors:        2776
[2025-08-29 10:31:50] [info] Total Warnings:      730
[2025-08-29 10:31:50] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:23] [info] =====
[2025-08-29 10:31:23] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:31:23] [info] =====

[2025-08-29 10:31:23] [info] Report Generated:    2025-08-29
[2025-08-29 10:31:23] [info] Run Start Time:      10:31:23 AM
[2025-08-29 10:31:23] [info] Run End Time:        10:31:23 AM
[2025-08-29 10:31:23] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:31:23] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:31:23] [info] Host Name:           kuro-Workstation
[2025-08-29 10:31:23] [info] User Name:           kuro
[2025-08-29 10:31:23] [info] Cores Used:          8
[2025-08-29 10:31:23] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Top Cell Match
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Layout Top Cell:     gcd
[2025-08-29 10:31:23] [info] Schematic Top Cell:  gcd
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Short and Open Checks
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Short Circuits:      None Detected
[2025-08-29 10:31:23] [info] Open Circuits:       None Detected

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Performance Metrics
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] | Stage                  | Time Taken |
[2025-08-29 10:31:23] [info] |-----|-----|
[2025-08-29 10:31:23] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Additional Details
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:31:23] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:31:23] [info] Database Format:       GDSII
[2025-08-29 10:31:23] [info] Verification Mode:    Full Check
[2025-08-29 10:31:23] [info] Error Reporting:      Enabled

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Type of Errors | Count
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] DB_WARN -> 1
[2025-08-29 10:31:23] [info] DB_WARN003 -> 24
[2025-08-29 10:31:23] [info] VERI_WARN012 -> 41
[2025-08-29 10:31:23] [info] ERC_ERR019 -> 33
[2025-08-29 10:31:23] [info] LVS_ERR003 -> 31
[2025-08-29 10:31:23] [info] ERC_ERR003 -> 31
[2025-08-29 10:31:23] [info] LVS_ERR025 -> 2
[2025-08-29 10:31:23] [info] ERC_ERR008 -> 2
[2025-08-29 10:31:23] [info] ERC_ERR005 -> 36
[2025-08-29 10:31:23] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Summary
[2025-08-29 10:31:23] [info] -----

```

```
[2025-08-29 10:31:23] [info] ERC Status:          PASSED
[2025-08-29 10:31:23] [info] Instance Match Percentage: 91.59%
[2025-08-29 10:31:23] [info] Short Circuits:      None Detected
[2025-08-29 10:31:23] [info] Open Circuits:       None Detected
[2025-08-29 10:31:23] [info] Unconnected Pins:    133
[2025-08-29 10:31:23] [info] Total Errors:        136
[2025-08-29 10:31:23] [info] Total Warnings:      66
[2025-08-29 10:31:23] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:23] [info] =====
[2025-08-29 10:31:23] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:31:23] [info] =====

[2025-08-29 10:31:23] [info] Report Generated:    2025-08-29
[2025-08-29 10:31:23] [info] Run Start Time:      10:31:23 AM
[2025-08-29 10:31:23] [info] Run End Time:        10:31:23 AM
[2025-08-29 10:31:23] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:31:23] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:31:23] [info] Host Name:            kuro-Workstation
[2025-08-29 10:31:23] [info] User Name:            kuro
[2025-08-29 10:31:23] [info] Cores Used:           8
[2025-08-29 10:31:23] [info] Memory Utilized:      31.00 MB / 62.569698333740234 GB

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Top Cell Match
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Layout Top Cell:      gcd
[2025-08-29 10:31:23] [info] Schematic Top Cell:   gcd
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Short and Open Checks
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Short Circuits:       None Detected
[2025-08-29 10:31:23] [info] Open Circuits:        None Detected

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Performance Metrics
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] | Stage                  | Time Taken |
[2025-08-29 10:31:23] [info] |-----|-----|
[2025-08-29 10:31:23] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:31:23] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Additional Details
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:31:23] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:31:23] [info] Database Format:        GDSII
[2025-08-29 10:31:23] [info] Verification Mode:     Full Check
[2025-08-29 10:31:23] [info] Error Reporting:       Enabled

[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Type of Errors | Count
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info] DB_WARN -> 1
[2025-08-29 10:31:23] [info] DB_WARN003 -> 34
[2025-08-29 10:31:23] [info] VERI_WARN012 -> 40
[2025-08-29 10:31:23] [info] ERC_ERR019 -> 34
[2025-08-29 10:31:23] [info] LVS_ERR003 -> 32
[2025-08-29 10:31:23] [info] ERC_ERR003 -> 32
[2025-08-29 10:31:23] [info] LVS_ERR025 -> 2
[2025-08-29 10:31:23] [info] ERC_ERR008 -> 2
[2025-08-29 10:31:23] [info] ERC_ERR020 -> 1
[2025-08-29 10:31:23] [info] ERC_ERR005 -> 35
[2025-08-29 10:31:23] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:23] [info] -----
[2025-08-29 10:31:23] [info]           Summary

```

```
[2025-08-29 10:31:23] [info] -----  
[2025-08-29 10:31:23] [info] ERC Status:          PASSED  
[2025-08-29 10:31:23] [info] Instance Match Percentage: 91.78%  
[2025-08-29 10:31:23] [info] Short Circuits:      None Detected  
[2025-08-29 10:31:23] [info] Open Circuits:       None Detected  
[2025-08-29 10:31:23] [info] Unconnected Pins:    134  
[2025-08-29 10:31:23] [info] Total Errors:        139  
[2025-08-29 10:31:23] [info] Total Warnings:      75  
[2025-08-29 10:31:23] [info] Critical Issues:     None
```

```

[2025-08-29 10:31:24] [info] =====
[2025-08-29 10:31:24] [info] Electrical Rule Check Summary Report
[2025-08-29 10:31:24] [info] =====

[2025-08-29 10:31:24] [info] Report Generated: 2025-08-29
[2025-08-29 10:31:24] [info] Run Start Time: 10:31:23 AM
[2025-08-29 10:31:24] [info] Run End Time: 10:31:24 AM
[2025-08-29 10:31:24] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:31:24] [info] Tool Version: LVR_2025.1
[2025-08-29 10:31:24] [info] Host Name: kuro-Workstation
[2025-08-29 10:31:24] [info] User Name: kuro
[2025-08-29 10:31:24] [info] Cores Used: 8
[2025-08-29 10:31:24] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Top Cell Match
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Layout Top Cell: gcd
[2025-08-29 10:31:24] [info] Schematic Top Cell: gcd
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Short and Open Checks
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Short Circuits: None Detected
[2025-08-29 10:31:24] [info] Open Circuits: None Detected

[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Performance Metrics
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] | Stage | Time Taken |
[2025-08-29 10:31:24] [info] |-----|-----|
[2025-08-29 10:31:24] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:31:24] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-08-29 10:31:24] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:31:24] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Additional Details
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:31:24] [info] Hierarchical Cells: Flattened
[2025-08-29 10:31:24] [info] Database Format: GDSII
[2025-08-29 10:31:24] [info] Verification Mode: Full Check
[2025-08-29 10:31:24] [info] Error Reporting: Enabled

[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Type of Errors | Count
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] DB_WARN -> 1
[2025-08-29 10:31:24] [info] DB_WARN003 -> 26
[2025-08-29 10:31:24] [info] VERI_WARN012 -> 39
[2025-08-29 10:31:24] [info] ERC_ERR019 -> 38
[2025-08-29 10:31:24] [info] LVS_ERR003 -> 36
[2025-08-29 10:31:24] [info] ERC_ERR003 -> 36
[2025-08-29 10:31:24] [info] LVS_ERR025 -> 2
[2025-08-29 10:31:24] [info] ERC_ERR008 -> 2
[2025-08-29 10:31:24] [info] ERC_ERR005 -> 38
[2025-08-29 10:31:24] [info] LVS_ERR030 -> 1
[2025-08-29 10:31:24] [info] -----
[2025-08-29 10:31:24] [info] Summary
[2025-08-29 10:31:24] [info] -----

```

```
[2025-08-29 10:31:24] [info] ERC Status:          PASSED
[2025-08-29 10:31:24] [info] Instance Match Percentage: 91.10%
[2025-08-29 10:31:24] [info] Short Circuits:      None Detected
[2025-08-29 10:31:24] [info] Open Circuits:       None Detected
[2025-08-29 10:31:24] [info] Unconnected Pins:    138
[2025-08-29 10:31:24] [info] Total Errors:        153
[2025-08-29 10:31:24] [info] Total Warnings:      66
[2025-08-29 10:31:24] [info] Critical Issues:     None
```

```

[2025-08-29 10:32:02] [info] =====
[2025-08-29 10:32:02] [info] Electrical Rule Check Summary Report
[2025-08-29 10:32:02] [info] =====

[2025-08-29 10:32:02] [info] Report Generated: 2025-08-29
[2025-08-29 10:32:02] [info] Run Start Time: 10:31:53 AM
[2025-08-29 10:32:02] [info] Run End Time: 10:32:01 AM
[2025-08-29 10:32:02] [info] Time Taken: 0 minutes 11 seconds

[2025-08-29 10:32:02] [info] Tool Version: LVR_2025.1
[2025-08-29 10:32:02] [info] Host Name: kuro-Workstation
[2025-08-29 10:32:02] [info] User Name: kuro
[2025-08-29 10:32:02] [info] Cores Used: 8
[2025-08-29 10:32:02] [info] Memory Utilized: 1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Top Cell Match
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Layout Top Cell: ibex_core
[2025-08-29 10:32:02] [info] Schematic Top Cell: ibex_core
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Short and Open Checks
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Short Circuits: None Detected
[2025-08-29 10:32:02] [info] Open Circuits: None Detected

[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Performance Metrics
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] | Stage | Time Taken |
[2025-08-29 10:32:02] [info] |-----|-----|
[2025-08-29 10:32:02] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:32:02] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-29 10:32:02] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:32:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Additional Details
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:32:02] [info] Hierarchical Cells: Flattened
[2025-08-29 10:32:02] [info] Database Format: GDSII
[2025-08-29 10:32:02] [info] Verification Mode: Full Check
[2025-08-29 10:32:02] [info] Error Reporting: Enabled

[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Type of Errors | Count
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] DB_WARN -> 1
[2025-08-29 10:32:02] [info] DB_WARN003 -> 85
[2025-08-29 10:32:02] [info] VERI_WARN012 -> 828
[2025-08-29 10:32:02] [info] ERC_ERR019 -> 903
[2025-08-29 10:32:02] [info] LVS_ERR003 -> 894
[2025-08-29 10:32:02] [info] ERC_ERR003 -> 894
[2025-08-29 10:32:02] [info] LVS_ERR025 -> 1
[2025-08-29 10:32:02] [info] ERC_ERR008 -> 1
[2025-08-29 10:32:02] [info] ERC_ERR020 -> 1
[2025-08-29 10:32:02] [info] ERC_ERR005 -> 961
[2025-08-29 10:32:02] [info] LVS_ERR030 -> 1
[2025-08-29 10:32:02] [info] -----
[2025-08-29 10:32:02] [info] Summary

```

```
[2025-08-29 10:32:02] [info] -----  
[2025-08-29 10:32:02] [info] ERC Status:          PASSED  
[2025-08-29 10:32:02] [info] Instance Match Percentage: 94.91%  
[2025-08-29 10:32:02] [info] Short Circuits:      None Detected  
[2025-08-29 10:32:02] [info] Open Circuits:       None Detected  
[2025-08-29 10:32:02] [info] Unconnected Pins:    1003  
[2025-08-29 10:32:02] [info] Total Errors:        3656  
[2025-08-29 10:32:02] [info] Total Warnings:      914  
[2025-08-29 10:32:02] [info] Critical Issues:     None
```

```

[2025-08-28 06:12:03] [info] =====
[2025-08-28 06:12:03] [info] Electrical Rule Check Summary Report
[2025-08-28 06:12:03] [info] =====

[2025-08-28 06:12:03] [info] Report Generated: 2025-08-28
[2025-08-28 06:12:03] [info] Run Start Time: 06:11:55 AM
[2025-08-28 06:12:03] [info] Run End Time: 06:12:03 AM
[2025-08-28 06:12:03] [info] Time Taken: 0 minutes 10 seconds

[2025-08-28 06:12:03] [info] Tool Version: LVR_2025.1
[2025-08-28 06:12:03] [info] Host Name: kuro-Workstation
[2025-08-28 06:12:03] [info] User Name: kuro
[2025-08-28 06:12:03] [info] Cores Used: 8
[2025-08-28 06:12:03] [info] Memory Utilized: 1574.52 MB / 62.5692024230957 GB

[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Top Cell Match
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Layout Top Cell: ibex_core
[2025-08-28 06:12:03] [info] Schematic Top Cell: ibex_core
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Short and Open Checks
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Short Circuits: None Detected
[2025-08-28 06:12:03] [info] Open Circuits: None Detected

[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Performance Metrics
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] | Stage | Time Taken |
[2025-08-28 06:12:03] [info] |-----|-----|
[2025-08-28 06:12:03] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-28 06:12:03] [info] | Connectivity Extraction | 0 minutes 6 seconds |
[2025-08-28 06:12:03] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-28 06:12:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Additional Details
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Technology Node: Nangate45 (45nm)
[2025-08-28 06:12:03] [info] Hierarchical Cells: Flattened
[2025-08-28 06:12:03] [info] Database Format: GDSII
[2025-08-28 06:12:03] [info] Verification Mode: Full Check
[2025-08-28 06:12:03] [info] Error Reporting: Enabled

[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Type of Errors | Count
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] DB_WARN -> 1
[2025-08-28 06:12:03] [info] DB_WARN003 -> 85
[2025-08-28 06:12:03] [info] VERI_WARN012 -> 828
[2025-08-28 06:12:03] [info] ERC_ERR019 -> 903
[2025-08-28 06:12:03] [info] LVS_ERR003 -> 894
[2025-08-28 06:12:03] [info] ERC_ERR003 -> 894
[2025-08-28 06:12:03] [info] LVS_ERR025 -> 1
[2025-08-28 06:12:03] [info] ERC_ERR008 -> 1
[2025-08-28 06:12:03] [info] ERC_ERR020 -> 1
[2025-08-28 06:12:03] [info] ERC_ERR005 -> 961
[2025-08-28 06:12:03] [info] LVS_ERR030 -> 1
[2025-08-28 06:12:03] [info] -----
[2025-08-28 06:12:03] [info] Summary

```

```
[2025-08-28 06:12:03] [info] -----  
[2025-08-28 06:12:03] [info] ERC Status:          PASSED  
[2025-08-28 06:12:03] [info] Instance Match Percentage: 94.91%  
[2025-08-28 06:12:03] [info] Short Circuits:      None Detected  
[2025-08-28 06:12:03] [info] Open Circuits:       None Detected  
[2025-08-28 06:12:03] [info] Unconnected Pins:    1003  
[2025-08-28 06:12:03] [info] Total Errors:        3656  
[2025-08-28 06:12:03] [info] Total Warnings:      914  
[2025-08-28 06:12:03] [info] Critical Issues:     None
```

```

[2025-08-29 10:32:17] [info] =====
[2025-08-29 10:32:17] [info]           Electrical Rule Check Summary Report
[2025-08-29 10:32:17] [info] =====

[2025-08-29 10:32:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:32:17] [info] Run Start Time:      10:32:09 AM
[2025-08-29 10:32:17] [info] Run End Time:        10:32:17 AM
[2025-08-29 10:32:17] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:32:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:32:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:32:17] [info] User Name:           kuro
[2025-08-29 10:32:17] [info] Cores Used:          8
[2025-08-29 10:32:17] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Top Cell Match
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:32:17] [info] Schematic Top Cell:  ibex_core
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Short and Open Checks
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info] Short Circuits:      None Detected
[2025-08-29 10:32:17] [info] Open Circuits:       None Detected

[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Performance Metrics
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info] | Stage                  | Time Taken |
[2025-08-29 10:32:17] [info] |-----|-----|
[2025-08-29 10:32:17] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:32:17] [info] | Connectivity Extraction  | 0 minutes 5 seconds |
[2025-08-29 10:32:17] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:32:17] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Additional Details
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:32:17] [info] Hierarchical Cells:   Flattened
[2025-08-29 10:32:17] [info] Database Format:       GDSII
[2025-08-29 10:32:17] [info] Verification Mode:    Full Check
[2025-08-29 10:32:17] [info] Error Reporting:      Enabled

[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Type of Errors | Count
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info] DB_WARN -> 1
[2025-08-29 10:32:17] [info] DB_WARN003 -> 98
[2025-08-29 10:32:17] [info] VERI_WARN012 -> 828
[2025-08-29 10:32:17] [info] ERC_ERR019 -> 880
[2025-08-29 10:32:17] [info] LVS_ERR003 -> 871
[2025-08-29 10:32:17] [info] ERC_ERR003 -> 871
[2025-08-29 10:32:17] [info] LVS_ERR025 -> 1
[2025-08-29 10:32:17] [info] ERC_ERR008 -> 1
[2025-08-29 10:32:17] [info] ERC_ERR005 -> 943
[2025-08-29 10:32:17] [info] LVS_ERR030 -> 1
[2025-08-29 10:32:17] [info] -----
[2025-08-29 10:32:17] [info]           Summary
[2025-08-29 10:32:17] [info] -----

```

```
[2025-08-29 10:32:17] [info] ERC Status:          PASSED
[2025-08-29 10:32:17] [info] Instance Match Percentage: 95.00%
[2025-08-29 10:32:17] [info] Short Circuits:      None Detected
[2025-08-29 10:32:17] [info] Open Circuits:       None Detected
[2025-08-29 10:32:17] [info] Unconnected Pins:    980
[2025-08-29 10:32:17] [info] Total Errors:        3568
[2025-08-29 10:32:17] [info] Total Warnings:      927
[2025-08-29 10:32:17] [info] Critical Issues:     None
```

```

[2025-08-29 10:32:51] [info] =====
[2025-08-29 10:32:51] [info] Electrical Rule Check Summary Report
[2025-08-29 10:32:51] [info] =====

[2025-08-29 10:32:51] [info] Report Generated: 2025-08-29
[2025-08-29 10:32:51] [info] Run Start Time: 10:32:28 AM
[2025-08-29 10:32:51] [info] Run End Time: 10:32:51 AM
[2025-08-29 10:32:51] [info] Time Taken: 0 minutes 33 seconds

[2025-08-29 10:32:51] [info] Tool Version: LVR_2025.1
[2025-08-29 10:32:51] [info] Host Name: kuro-Workstation
[2025-08-29 10:32:51] [info] User Name: kuro
[2025-08-29 10:32:51] [info] Cores Used: 8
[2025-08-29 10:32:51] [info] Memory Utilized: 4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Top Cell Match
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:32:51] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Short and Open Checks
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Short Circuits: None Detected
[2025-08-29 10:32:51] [info] Open Circuits: None Detected

[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Performance Metrics
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] | Stage | Time Taken |
[2025-08-29 10:32:51] [info] |-----|-----|
[2025-08-29 10:32:51] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:32:51] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-29 10:32:51] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:32:51] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Additional Details
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:32:51] [info] Hierarchical Cells: Flattened
[2025-08-29 10:32:51] [info] Database Format: GDSII
[2025-08-29 10:32:51] [info] Verification Mode: Full Check
[2025-08-29 10:32:51] [info] Error Reporting: Enabled

[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Type of Errors | Count
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] DB_WARN -> 1
[2025-08-29 10:32:51] [info] DB_WARN003 -> 37
[2025-08-29 10:32:51] [info] VERI_WARN012 -> 4068
[2025-08-29 10:32:51] [info] ERC_ERR019 -> 4068
[2025-08-29 10:32:51] [info] LVS_ERR003 -> 4066
[2025-08-29 10:32:51] [info] ERC_ERR003 -> 4066
[2025-08-29 10:32:51] [info] LVS_ERR025 -> 2
[2025-08-29 10:32:51] [info] ERC_ERR008 -> 2
[2025-08-29 10:32:51] [info] ERC_ERR005 -> 4300
[2025-08-29 10:32:51] [info] LVS_ERR030 -> 1
[2025-08-29 10:32:51] [info] -----
[2025-08-29 10:32:51] [info] Summary
[2025-08-29 10:32:51] [info] -----

```

```
[2025-08-29 10:32:51] [info] ERC Status:          PASSED
[2025-08-29 10:32:51] [info] Instance Match Percentage: 92.41%
[2025-08-29 10:32:51] [info] Short Circuits:          None Detected
[2025-08-29 10:32:51] [info] Open Circuits:          None Detected
[2025-08-29 10:32:51] [info] Unconnected Pins:        4168
[2025-08-29 10:32:51] [info] Total Errors:            16505
[2025-08-29 10:32:51] [info] Total Warnings:          4106
[2025-08-29 10:32:51] [info] Critical Issues:         None
```

```

[2025-08-29 10:33:27] [info] =====
[2025-08-29 10:33:27] [info] Electrical Rule Check Summary Report
[2025-08-29 10:33:27] [info] =====

[2025-08-29 10:33:27] [info] Report Generated: 2025-08-29
[2025-08-29 10:33:27] [info] Run Start Time: 10:33:03 AM
[2025-08-29 10:33:27] [info] Run End Time: 10:33:26 AM
[2025-08-29 10:33:27] [info] Time Taken: 0 minutes 34 seconds

[2025-08-29 10:33:27] [info] Tool Version: LVR_2025.1
[2025-08-29 10:33:27] [info] Host Name: kuro-Workstation
[2025-08-29 10:33:27] [info] User Name: kuro
[2025-08-29 10:33:27] [info] Cores Used: 8
[2025-08-29 10:33:27] [info] Memory Utilized: 4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Top Cell Match
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:33:27] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Short and Open Checks
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Short Circuits: None Detected
[2025-08-29 10:33:27] [info] Open Circuits: None Detected

[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Performance Metrics
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] | Stage | Time Taken |
[2025-08-29 10:33:27] [info] |-----|-----|
[2025-08-29 10:33:27] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:33:27] [info] | Connectivity Extraction | 0 minutes 18 seconds |
[2025-08-29 10:33:27] [info] | Device Matching | 0 minutes 1 seconds |
[2025-08-29 10:33:27] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Additional Details
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:33:27] [info] Hierarchical Cells: Flattened
[2025-08-29 10:33:27] [info] Database Format: GDSII
[2025-08-29 10:33:27] [info] Verification Mode: Full Check
[2025-08-29 10:33:27] [info] Error Reporting: Enabled

[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Type of Errors | Count
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] DB_WARN -> 1
[2025-08-29 10:33:27] [info] DB_WARN003 -> 39
[2025-08-29 10:33:27] [info] VERI_WARN012 -> 4068
[2025-08-29 10:33:27] [info] ERC_ERR019 -> 4055
[2025-08-29 10:33:27] [info] LVS_ERR003 -> 4054
[2025-08-29 10:33:27] [info] ERC_ERR003 -> 4054
[2025-08-29 10:33:27] [info] LVS_ERR025 -> 1
[2025-08-29 10:33:27] [info] ERC_ERR008 -> 1
[2025-08-29 10:33:27] [info] ERC_ERR005 -> 4306
[2025-08-29 10:33:27] [info] LVS_ERR030 -> 1
[2025-08-29 10:33:27] [info] -----
[2025-08-29 10:33:27] [info] Summary
[2025-08-29 10:33:27] [info] -----

```

```
[2025-08-29 10:33:27] [info] ERC Status:          PASSED
[2025-08-29 10:33:27] [info] Instance Match Percentage: 92.40%
[2025-08-29 10:33:27] [info] Short Circuits:      None Detected
[2025-08-29 10:33:27] [info] Open Circuits:       None Detected
[2025-08-29 10:33:27] [info] Unconnected Pins:    4155
[2025-08-29 10:33:27] [info] Total Errors:        16472
[2025-08-29 10:33:27] [info] Total Warnings:      4108
[2025-08-29 10:33:27] [info] Critical Issues:     None
```

```

[2025-08-29 10:34:01] [info] =====
[2025-08-29 10:34:01] [info] Electrical Rule Check Summary Report
[2025-08-29 10:34:01] [info] =====

[2025-08-29 10:34:01] [info] Report Generated: 2025-08-29
[2025-08-29 10:34:01] [info] Run Start Time: 10:33:38 AM
[2025-08-29 10:34:01] [info] Run End Time: 10:34:01 AM
[2025-08-29 10:34:01] [info] Time Taken: 0 minutes 32 seconds

[2025-08-29 10:34:01] [info] Tool Version: LVR_2025.1
[2025-08-29 10:34:01] [info] Host Name: kuro-Workstation
[2025-08-29 10:34:01] [info] User Name: kuro
[2025-08-29 10:34:01] [info] Cores Used: 8
[2025-08-29 10:34:01] [info] Memory Utilized: 4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Top Cell Match
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:34:01] [info] Schematic Top Cell: jpeg_encoder
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Short and Open Checks
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Short Circuits: None Detected
[2025-08-29 10:34:01] [info] Open Circuits: None Detected

[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Performance Metrics
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] | Stage | Time Taken |
[2025-08-29 10:34:01] [info] |-----|-----|
[2025-08-29 10:34:01] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:34:01] [info] | Connectivity Extraction | 0 minutes 17 seconds |
[2025-08-29 10:34:01] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:34:01] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Additional Details
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:34:01] [info] Hierarchical Cells: Flattened
[2025-08-29 10:34:01] [info] Database Format: GDSII
[2025-08-29 10:34:01] [info] Verification Mode: Full Check
[2025-08-29 10:34:01] [info] Error Reporting: Enabled

[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:01] [info] Type of Errors | Count
[2025-08-29 10:34:01] [info] -----
[2025-08-29 10:34:02] [info] DB_WARN -> 1
[2025-08-29 10:34:02] [info] DB_WARN003 -> 34
[2025-08-29 10:34:02] [info] VERI_WARN012 -> 4068
[2025-08-29 10:34:02] [info] ERC_ERR019 -> 4068
[2025-08-29 10:34:02] [info] LVS_ERR003 -> 4067
[2025-08-29 10:34:02] [info] ERC_ERR003 -> 4067
[2025-08-29 10:34:02] [info] LVS_ERR025 -> 1
[2025-08-29 10:34:02] [info] ERC_ERR008 -> 1
[2025-08-29 10:34:02] [info] ERC_ERR020 -> 1
[2025-08-29 10:34:02] [info] ERC_ERR005 -> 4305
[2025-08-29 10:34:02] [info] LVS_ERR030 -> 1
[2025-08-29 10:34:02] [info] -----
[2025-08-29 10:34:02] [info] Summary

```

```
[2025-08-29 10:34:02] [info] -----  
[2025-08-29 10:34:02] [info] ERC Status:          PASSED  
[2025-08-29 10:34:02] [info] Instance Match Percentage: 92.40%  
[2025-08-29 10:34:02] [info] Short Circuits:      None Detected  
[2025-08-29 10:34:02] [info] Open Circuits:       None Detected  
[2025-08-29 10:34:02] [info] Unconnected Pins:    4168  
[2025-08-29 10:34:02] [info] Total Errors:        16511  
[2025-08-29 10:34:02] [info] Total Warnings:      4103  
[2025-08-29 10:34:02] [info] Critical Issues:     None
```

```

[2025-09-06 14:22:56] [info] =====
[2025-09-06 14:22:56] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:22:56] [info] =====

[2025-09-06 14:22:56] [info] Report Generated:    2025-09-06
[2025-09-06 14:22:56] [info] Run Start Time:      02:21:41 PM
[2025-09-06 14:22:56] [info] Run End Time:        02:22:56 PM
[2025-09-06 14:22:56] [info] Time Taken:          1 minutes 22 seconds

[2025-09-06 14:22:56] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:22:56] [info] Host Name:           kuro-Workstation
[2025-09-06 14:22:56] [info] User Name:           kuro
[2025-09-06 14:22:56] [info] Cores Used:          16
[2025-09-06 14:22:56] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Top Cell Match
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 14:22:56] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Short and Open Checks
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info] Short Circuits:      None Detected
[2025-09-06 14:22:56] [info] Open Circuits:       None Detected

[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Performance Metrics
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info] | Stage                  | Time Taken |
[2025-09-06 14:22:56] [info] |-----|-----|
[2025-09-06 14:22:56] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:22:56] [info] | Connectivity Extraction  | 1 minutes 12 seconds |
[2025-09-06 14:22:56] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:22:56] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Additional Details
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:22:56] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:22:56] [info] Database Format:       GDSII
[2025-09-06 14:22:56] [info] Verification Mode:    Full Check
[2025-09-06 14:22:56] [info] Error Reporting:      Enabled

[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Type of Errors | Count
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info] DB_WARN -> 1
[2025-09-06 14:22:56] [info] LRF_ERR001 -> 14
[2025-09-06 14:22:56] [info] DB_WARN002 -> 144
[2025-09-06 14:22:56] [info] DB_WARN003 -> 137
[2025-09-06 14:22:56] [info] VERI_WARN012 -> 41
[2025-09-06 14:22:56] [info] ERC_ERR019 -> 18
[2025-09-06 14:22:56] [info] LVS_ERR003 -> 18
[2025-09-06 14:22:56] [info] ERC_ERR003 -> 18
[2025-09-06 14:22:56] [info] ERC_ERR005 -> 3
[2025-09-06 14:22:56] [info] LVS_ERR030 -> 1
[2025-09-06 14:22:56] [info] -----
[2025-09-06 14:22:56] [info]           Summary
[2025-09-06 14:22:56] [info] -----

```

```
[2025-09-06 14:22:56] [info] ERC Status:          PASSED
[2025-09-06 14:22:56] [info] Instance Match Percentage: 99.99%
[2025-09-06 14:22:56] [info] Short Circuits:          None Detected
[2025-09-06 14:22:56] [info] Open Circuits:          None Detected
[2025-09-06 14:22:56] [info] Unconnected Pins:        118
[2025-09-06 14:22:56] [info] Total Errors:           72
[2025-09-06 14:22:56] [info] Total Warnings:         323
[2025-09-06 14:22:56] [info] Critical Issues:        None
```

```

[2025-09-06 14:25:05] [info] =====
[2025-09-06 14:25:05] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:25:05] [info] =====

[2025-09-06 14:25:05] [info] Report Generated:    2025-09-06
[2025-09-06 14:25:05] [info] Run Start Time:      02:23:06 PM
[2025-09-06 14:25:05] [info] Run End Time:        02:25:04 PM
[2025-09-06 14:25:05] [info] Time Taken:          2 minutes 6 seconds

[2025-09-06 14:25:05] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:25:05] [info] Host Name:           kuro-Workstation
[2025-09-06 14:25:05] [info] User Name:           kuro
[2025-09-06 14:25:05] [info] Cores Used:          16
[2025-09-06 14:25:05] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Top Cell Match
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 14:25:05] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Short and Open Checks
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info] Short Circuits:      None Detected
[2025-09-06 14:25:05] [info] Open Circuits:       None Detected

[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Performance Metrics
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info] | Stage                  | Time Taken |
[2025-09-06 14:25:05] [info] |-----|-----|
[2025-09-06 14:25:05] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:25:05] [info] | Connectivity Extraction  | 1 minutes 55 seconds |
[2025-09-06 14:25:05] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:25:05] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Additional Details
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 14:25:05] [info] Hierarchical Cells:    Flattened
[2025-09-06 14:25:05] [info] Database Format:        GDSII
[2025-09-06 14:25:05] [info] Verification Mode:     Full Check
[2025-09-06 14:25:05] [info] Error Reporting:       Enabled

[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Type of Errors | Count
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info] DB_WARN -> 1
[2025-09-06 14:25:05] [info] LRF_ERR001 -> 14
[2025-09-06 14:25:05] [info] DB_WARN002 -> 141
[2025-09-06 14:25:05] [info] DB_WARN003 -> 135
[2025-09-06 14:25:05] [info] VERI_WARN012 -> 39
[2025-09-06 14:25:05] [info] ERC_ERR019 -> 12
[2025-09-06 14:25:05] [info] LVS_ERR003 -> 12
[2025-09-06 14:25:05] [info] ERC_ERR003 -> 12
[2025-09-06 14:25:05] [info] ERC_ERR005 -> 3
[2025-09-06 14:25:05] [info] LVS_ERR030 -> 1
[2025-09-06 14:25:05] [info] -----
[2025-09-06 14:25:05] [info]           Summary
[2025-09-06 14:25:05] [info] -----

```

```
[2025-09-06 14:25:05] [info] ERC Status:          PASSED
[2025-09-06 14:25:05] [info] Instance Match Percentage: 99.99%
[2025-09-06 14:25:05] [info] Short Circuits:          None Detected
[2025-09-06 14:25:05] [info] Open Circuits:          None Detected
[2025-09-06 14:25:05] [info] Unconnected Pins:        112
[2025-09-06 14:25:05] [info] Total Errors:            54
[2025-09-06 14:25:05] [info] Total Warnings:          316
[2025-09-06 14:25:05] [info] Critical Issues:         None
```

```

[2025-09-06 14:26:20] [info] =====
[2025-09-06 14:26:20] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:26:20] [info] =====

[2025-09-06 14:26:20] [info] Report Generated:    2025-09-06
[2025-09-06 14:26:20] [info] Run Start Time:      02:25:13 PM
[2025-09-06 14:26:20] [info] Run End Time:        02:26:19 PM
[2025-09-06 14:26:20] [info] Time Taken:          1 minutes 12 seconds

[2025-09-06 14:26:20] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:26:20] [info] Host Name:           kuro-Workstation
[2025-09-06 14:26:20] [info] User Name:           kuro
[2025-09-06 14:26:20] [info] Cores Used:          16
[2025-09-06 14:26:20] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Top Cell Match
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 14:26:20] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Short and Open Checks
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info] Short Circuits:      None Detected
[2025-09-06 14:26:20] [info] Open Circuits:       None Detected

[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Performance Metrics
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info] | Stage                  | Time Taken |
[2025-09-06 14:26:20] [info] |-----|-----|
[2025-09-06 14:26:20] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:26:20] [info] | Connectivity Extraction  | 1 minutes 4 seconds |
[2025-09-06 14:26:20] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:26:20] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Additional Details
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:26:20] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:26:20] [info] Database Format:       GDSII
[2025-09-06 14:26:20] [info] Verification Mode:    Full Check
[2025-09-06 14:26:20] [info] Error Reporting:      Enabled

[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Type of Errors | Count
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info] DB_WARN -> 1
[2025-09-06 14:26:20] [info] LRF_ERR001 -> 14
[2025-09-06 14:26:20] [info] DB_WARN002 -> 138
[2025-09-06 14:26:20] [info] DB_WARN003 -> 132
[2025-09-06 14:26:20] [info] VERI_WARN012 -> 36
[2025-09-06 14:26:20] [info] ERC_ERR019 -> 12
[2025-09-06 14:26:20] [info] LVS_ERR003 -> 12
[2025-09-06 14:26:20] [info] ERC_ERR003 -> 12
[2025-09-06 14:26:20] [info] ERC_ERR005 -> 3
[2025-09-06 14:26:20] [info] LVS_ERR030 -> 1
[2025-09-06 14:26:20] [info] -----
[2025-09-06 14:26:20] [info]           Summary
[2025-09-06 14:26:20] [info] -----

```

```
[2025-09-06 14:26:20] [info] ERC Status:          PASSED
[2025-09-06 14:26:20] [info] Instance Match Percentage: 99.99%
[2025-09-06 14:26:20] [info] Short Circuits:      None Detected
[2025-09-06 14:26:20] [info] Open Circuits:       None Detected
[2025-09-06 14:26:20] [info] Unconnected Pins:    112
[2025-09-06 14:26:20] [info] Total Errors:        54
[2025-09-06 14:26:20] [info] Total Warnings:      307
[2025-09-06 14:26:20] [info] Critical Issues:     None
```

```

[2025-09-06 14:21:33] [info] =====
[2025-09-06 14:21:33] [info] Electrical Rule Check Summary Report
[2025-09-06 14:21:33] [info] =====

[2025-09-06 14:21:33] [info] Report Generated: 2025-09-06
[2025-09-06 14:21:33] [info] Run Start Time: 02:21:33 PM
[2025-09-06 14:21:33] [info] Run End Time: 02:21:33 PM
[2025-09-06 14:21:33] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 14:21:33] [info] Tool Version: LVR_2025.1
[2025-09-06 14:21:33] [info] Host Name: kuro-Workstation
[2025-09-06 14:21:33] [info] User Name: kuro
[2025-09-06 14:21:33] [info] Cores Used: 16
[2025-09-06 14:21:33] [info] Memory Utilized: 38.46 MB / 62.569705963134766 GB

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Top Cell Match
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 14:21:33] [info] Schematic Top Cell: gcd1_sky130hd
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Short and Open Checks
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Short Circuits: None Detected
[2025-09-06 14:21:33] [info] Open Circuits: None Detected

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Performance Metrics
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] | Stage | Time Taken |
[2025-09-06 14:21:33] [info] |-----|-----|
[2025-09-06 14:21:33] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Additional Details
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 14:21:33] [info] Hierarchical Cells: Flattened
[2025-09-06 14:21:33] [info] Database Format: GDSII
[2025-09-06 14:21:33] [info] Verification Mode: Full Check
[2025-09-06 14:21:33] [info] Error Reporting: Enabled

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Type of Errors | Count
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] DB_WARN -> 1
[2025-09-06 14:21:33] [info] LRF_ERR001 -> 14
[2025-09-06 14:21:33] [info] DB_WARN002 -> 58
[2025-09-06 14:21:33] [info] DB_WARN003 -> 55
[2025-09-06 14:21:33] [info] VERI_WARN012 -> 4
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Summary
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] ERC Status: PASSED
[2025-09-06 14:21:33] [info] Instance Match Percentage: 100.00%
[2025-09-06 14:21:33] [info] Short Circuits: None Detected
[2025-09-06 14:21:33] [info] Open Circuits: None Detected
[2025-09-06 14:21:33] [info] Unconnected Pins: 100

```

```
[2025-09-06 14:21:33] [info] Total Errors:      14
[2025-09-06 14:21:33] [info] Total Warnings:    118
[2025-09-06 14:21:33] [info] Critical Issues:   None
```

```

[2025-09-06 14:21:33] [info] =====
[2025-09-06 14:21:33] [info] Electrical Rule Check Summary Report
[2025-09-06 14:21:33] [info] =====

[2025-09-06 14:21:33] [info] Report Generated: 2025-09-06
[2025-09-06 14:21:33] [info] Run Start Time: 02:21:33 PM
[2025-09-06 14:21:33] [info] Run End Time: 02:21:33 PM
[2025-09-06 14:21:33] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 14:21:33] [info] Tool Version: LVR_2025.1
[2025-09-06 14:21:33] [info] Host Name: kuro-Workstation
[2025-09-06 14:21:33] [info] User Name: kuro
[2025-09-06 14:21:33] [info] Cores Used: 16
[2025-09-06 14:21:33] [info] Memory Utilized: 43.01 MB / 62.569705963134766 GB

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Top Cell Match
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Layout Top Cell: gcd2_sky130hd
[2025-09-06 14:21:33] [info] Schematic Top Cell: gcd2_sky130hd
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Short and Open Checks
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Short Circuits: None Detected
[2025-09-06 14:21:33] [info] Open Circuits: None Detected

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Performance Metrics
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] | Stage | Time Taken |
[2025-09-06 14:21:33] [info] |-----|-----|
[2025-09-06 14:21:33] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 14:21:33] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Additional Details
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 14:21:33] [info] Hierarchical Cells: Flattened
[2025-09-06 14:21:33] [info] Database Format: GDSII
[2025-09-06 14:21:33] [info] Verification Mode: Full Check
[2025-09-06 14:21:33] [info] Error Reporting: Enabled

[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Type of Errors | Count
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] DB_WARN -> 1
[2025-09-06 14:21:33] [info] LRF_ERROR01 -> 14
[2025-09-06 14:21:33] [info] DB_WARN002 -> 59
[2025-09-06 14:21:33] [info] DB_WARN003 -> 56
[2025-09-06 14:21:33] [info] VERI_WARN012 -> 5
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] Summary
[2025-09-06 14:21:33] [info] -----
[2025-09-06 14:21:33] [info] ERC Status: PASSED
[2025-09-06 14:21:33] [info] Instance Match Percentage: 100.00%
[2025-09-06 14:21:33] [info] Short Circuits: None Detected
[2025-09-06 14:21:33] [info] Open Circuits: None Detected
[2025-09-06 14:21:33] [info] Unconnected Pins: 100

```

```
[2025-09-06 14:21:33] [info] Total Errors:      14
[2025-09-06 14:21:33] [info] Total Warnings:    121
[2025-09-06 14:21:33] [info] Critical Issues:  None
```

```

[2025-09-06 14:21:34] [info] =====
[2025-09-06 14:21:34] [info] Electrical Rule Check Summary Report
[2025-09-06 14:21:34] [info] =====

[2025-09-06 14:21:34] [info] Report Generated: 2025-09-06
[2025-09-06 14:21:34] [info] Run Start Time: 02:21:34 PM
[2025-09-06 14:21:34] [info] Run End Time: 02:21:34 PM
[2025-09-06 14:21:34] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 14:21:34] [info] Tool Version: LVR_2025.1
[2025-09-06 14:21:34] [info] Host Name: kuro-Workstation
[2025-09-06 14:21:34] [info] User Name: kuro
[2025-09-06 14:21:34] [info] Cores Used: 16
[2025-09-06 14:21:34] [info] Memory Utilized: 32.48 MB / 62.569705963134766 GB

[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Top Cell Match
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 14:21:34] [info] Schematic Top Cell: gcd3_sky130hd
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Short and Open Checks
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Short Circuits: None Detected
[2025-09-06 14:21:34] [info] Open Circuits: None Detected

[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Performance Metrics
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] | Stage | Time Taken |
[2025-09-06 14:21:34] [info] |-----|-----|
[2025-09-06 14:21:34] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 14:21:34] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 14:21:34] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 14:21:34] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Additional Details
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 14:21:34] [info] Hierarchical Cells: Flattened
[2025-09-06 14:21:34] [info] Database Format: GDSII
[2025-09-06 14:21:34] [info] Verification Mode: Full Check
[2025-09-06 14:21:34] [info] Error Reporting: Enabled

[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Type of Errors | Count
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] DB_WARN -> 1
[2025-09-06 14:21:34] [info] LRF_ERROR01 -> 14
[2025-09-06 14:21:34] [info] DB_WARN002 -> 59
[2025-09-06 14:21:34] [info] DB_WARN003 -> 56
[2025-09-06 14:21:34] [info] VERI_WARN012 -> 6
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] Summary
[2025-09-06 14:21:34] [info] -----
[2025-09-06 14:21:34] [info] ERC Status: PASSED
[2025-09-06 14:21:34] [info] Instance Match Percentage: 100.00%
[2025-09-06 14:21:34] [info] Short Circuits: None Detected
[2025-09-06 14:21:34] [info] Open Circuits: None Detected
[2025-09-06 14:21:34] [info] Unconnected Pins: 100

```

```
[2025-09-06 14:21:34] [info] Total Errors:      14
[2025-09-06 14:21:34] [info] Total Warnings:    122
[2025-09-06 14:21:34] [info] Critical Issues:   None
```

```

[2025-09-06 14:27:28] [info] =====
[2025-09-06 14:27:28] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:27:28] [info] =====

[2025-09-06 14:27:28] [info] Report Generated:    2025-09-06
[2025-09-06 14:27:28] [info] Run Start Time:      02:26:27 PM
[2025-09-06 14:27:28] [info] Run End Time:        02:27:28 PM
[2025-09-06 14:27:28] [info] Time Taken:          1 minutes 6 seconds

[2025-09-06 14:27:28] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:27:28] [info] Host Name:           kuro-Workstation
[2025-09-06 14:27:28] [info] User Name:           kuro
[2025-09-06 14:27:28] [info] Cores Used:          16
[2025-09-06 14:27:28] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Top Cell Match
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info] Layout Top Cell:      ibex_core1_sky130hd
[2025-09-06 14:27:28] [info] Schematic Top Cell:   ibex_core1_sky130hd
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Short and Open Checks
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info] Short Circuits:       None Detected
[2025-09-06 14:27:28] [info] Open Circuits:        None Detected

[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Performance Metrics
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info] | Stage                  | Time Taken |
[2025-09-06 14:27:28] [info] |-----|-----|
[2025-09-06 14:27:28] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:27:28] [info] | Connectivity Extraction  | 0 minutes 58 seconds |
[2025-09-06 14:27:28] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:27:28] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Additional Details
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 14:27:28] [info] Hierarchical Cells:    Flattened
[2025-09-06 14:27:28] [info] Database Format:        GDSII
[2025-09-06 14:27:28] [info] Verification Mode:     Full Check
[2025-09-06 14:27:28] [info] Error Reporting:       Enabled

[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Type of Errors | Count
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info] DB_WARN -> 1
[2025-09-06 14:27:28] [info] LRF_ERR001 -> 14
[2025-09-06 14:27:28] [info] DB_WARN002 -> 251
[2025-09-06 14:27:28] [info] DB_WARN003 -> 251
[2025-09-06 14:27:28] [info] VERI_WARN012 -> 34
[2025-09-06 14:27:28] [info] ERC_ERR019 -> 38
[2025-09-06 14:27:28] [info] ERC_ERR001 -> 4
[2025-09-06 14:27:28] [info] LVS_ERR003 -> 13
[2025-09-06 14:27:28] [info] ERC_ERR003 -> 13
[2025-09-06 14:27:28] [info] ERC_ERR005 -> 11
[2025-09-06 14:27:28] [info] LVS_ERR030 -> 1
[2025-09-06 14:27:28] [info] -----
[2025-09-06 14:27:28] [info]           Summary

```

```
[2025-09-06 14:27:28] [info] -----  
[2025-09-06 14:27:28] [info] ERC Status:          PASSED  
[2025-09-06 14:27:28] [info] Instance Match Percentage: 99.95%  
[2025-09-06 14:27:28] [info] Short Circuits:      None Detected  
[2025-09-06 14:27:28] [info] Open Circuits:       None Detected  
[2025-09-06 14:27:28] [info] Unconnected Pins:    138  
[2025-09-06 14:27:28] [info] Total Errors:        94  
[2025-09-06 14:27:28] [info] Total Warnings:      537  
[2025-09-06 14:27:28] [info] Critical Issues:     None
```

```

[2025-09-06 14:28:40] [info] =====
[2025-09-06 14:28:40] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:28:40] [info] =====

[2025-09-06 14:28:40] [info] Report Generated:    2025-09-06
[2025-09-06 14:28:40] [info] Run Start Time:      02:27:36 PM
[2025-09-06 14:28:40] [info] Run End Time:        02:28:39 PM
[2025-09-06 14:28:40] [info] Time Taken:          1 minutes 9 seconds

[2025-09-06 14:28:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:28:40] [info] Host Name:           kuro-Workstation
[2025-09-06 14:28:40] [info] User Name:           kuro
[2025-09-06 14:28:40] [info] Cores Used:          16
[2025-09-06 14:28:40] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Top Cell Match
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 14:28:40] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Short and Open Checks
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info] Short Circuits:      None Detected
[2025-09-06 14:28:40] [info] Open Circuits:       None Detected

[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Performance Metrics
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info] | Stage                  | Time Taken |
[2025-09-06 14:28:40] [info] |-----|-----|
[2025-09-06 14:28:40] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:28:40] [info] | Connectivity Extraction  | 1 minutes 1 seconds |
[2025-09-06 14:28:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:28:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Additional Details
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:28:40] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:28:40] [info] Database Format:       GDSII
[2025-09-06 14:28:40] [info] Verification Mode:    Full Check
[2025-09-06 14:28:40] [info] Error Reporting:      Enabled

[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Type of Errors | Count
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info] DB_WARN -> 1
[2025-09-06 14:28:40] [info] LRF_ERR001 -> 14
[2025-09-06 14:28:40] [info] DB_WARN002 -> 249
[2025-09-06 14:28:40] [info] DB_WARN003 -> 249
[2025-09-06 14:28:40] [info] VERI_WARN012 -> 31
[2025-09-06 14:28:40] [info] ERC_ERR019 -> 32
[2025-09-06 14:28:40] [info] ERC_ERR001 -> 4
[2025-09-06 14:28:40] [info] LVS_ERR003 -> 11
[2025-09-06 14:28:40] [info] ERC_ERR003 -> 11
[2025-09-06 14:28:40] [info] ERC_ERR005 -> 12
[2025-09-06 14:28:40] [info] LVS_ERR030 -> 1
[2025-09-06 14:28:40] [info] -----
[2025-09-06 14:28:40] [info]           Summary

```

```
[2025-09-06 14:28:40] [info] -----  
[2025-09-06 14:28:40] [info] ERC Status:          PASSED  
[2025-09-06 14:28:40] [info] Instance Match Percentage: 99.94%  
[2025-09-06 14:28:40] [info] Short Circuits:      None Detected  
[2025-09-06 14:28:40] [info] Open Circuits:       None Detected  
[2025-09-06 14:28:40] [info] Unconnected Pins:    132  
[2025-09-06 14:28:40] [info] Total Errors:        85  
[2025-09-06 14:28:40] [info] Total Warnings:      530  
[2025-09-06 14:28:40] [info] Critical Issues:     None
```

```

[2025-09-06 14:29:49] [info] =====
[2025-09-06 14:29:49] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:29:49] [info] =====

[2025-09-06 14:29:49] [info] Report Generated:    2025-09-06
[2025-09-06 14:29:49] [info] Run Start Time:      02:28:47 PM
[2025-09-06 14:29:49] [info] Run End Time:        02:29:49 PM
[2025-09-06 14:29:49] [info] Time Taken:          1 minutes 7 seconds

[2025-09-06 14:29:49] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:29:49] [info] Host Name:           kuro-Workstation
[2025-09-06 14:29:49] [info] User Name:           kuro
[2025-09-06 14:29:49] [info] Cores Used:          16
[2025-09-06 14:29:49] [info] Memory Utilized:     2577.80 MB / 62.569705963134766 GB

[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Top Cell Match
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 14:29:49] [info] Schematic Top Cell:  ibex_core3_sky130hd
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Short and Open Checks
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] Short Circuits:      None Detected
[2025-09-06 14:29:49] [info] Open Circuits:       None Detected

[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Performance Metrics
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] | Stage                  | Time Taken |
[2025-09-06 14:29:49] [info] |-----|-----|
[2025-09-06 14:29:49] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:29:49] [info] | Connectivity Extraction  | 0 minutes 59 seconds |
[2025-09-06 14:29:49] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:29:49] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Additional Details
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 14:29:49] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:29:49] [info] Database Format:       GDSII
[2025-09-06 14:29:49] [info] Verification Mode:    Full Check
[2025-09-06 14:29:49] [info] Error Reporting:      Enabled

[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Type of Errors | Count
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] DB_WARN -> 1
[2025-09-06 14:29:49] [info] LRF_ERR001 -> 14
[2025-09-06 14:29:49] [info] DB_WARN002 -> 253
[2025-09-06 14:29:49] [info] DB_WARN003 -> 251
[2025-09-06 14:29:49] [info] VERI_WARN012 -> 53
[2025-09-06 14:29:49] [info] ERC_ERR019 -> 31
[2025-09-06 14:29:49] [info] LVS_ERR003 -> 11
[2025-09-06 14:29:49] [info] ERC_ERR003 -> 11
[2025-09-06 14:29:49] [info] ERC_ERR001 -> 2
[2025-09-06 14:29:49] [info] ERC_ERR005 -> 9
[2025-09-06 14:29:49] [info] LVS_ERR030 -> 1
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info]           Summary

```

```
[2025-09-06 14:29:49] [info] -----
[2025-09-06 14:29:49] [info] ERC Status:          PASSED
[2025-09-06 14:29:49] [info] Instance Match Percentage: 99.95%
[2025-09-06 14:29:49] [info] Short Circuits:      None Detected
[2025-09-06 14:29:49] [info] Open Circuits:       None Detected
[2025-09-06 14:29:49] [info] Unconnected Pins:    131
[2025-09-06 14:29:49] [info] Total Errors:        79
[2025-09-06 14:29:49] [info] Total Warnings:      558
[2025-09-06 14:29:49] [info] Critical Issues:     None
```

```

[2025-09-06 14:35:00] [info] =====
[2025-09-06 14:35:00] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:35:00] [info] =====

[2025-09-06 14:35:00] [info] Report Generated:    2025-09-06
[2025-09-06 14:35:00] [info] Run Start Time:      02:30:09 PM
[2025-09-06 14:35:00] [info] Run End Time:        02:35:00 PM
[2025-09-06 14:35:00] [info] Time Taken:          5 minutes 9 seconds

[2025-09-06 14:35:00] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:35:00] [info] Host Name:           kuro-Workstation
[2025-09-06 14:35:00] [info] User Name:           kuro
[2025-09-06 14:35:00] [info] Cores Used:          16
[2025-09-06 14:35:00] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Top Cell Match
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 14:35:00] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Short and Open Checks
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info] Short Circuits:      None Detected
[2025-09-06 14:35:00] [info] Open Circuits:       None Detected

[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Performance Metrics
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info] | Stage                  | Time Taken |
[2025-09-06 14:35:00] [info] |-----|-----|
[2025-09-06 14:35:00] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 14:35:00] [info] | Connectivity Extraction | 4 minutes 44 seconds |
[2025-09-06 14:35:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 14:35:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Additional Details
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:35:00] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:35:00] [info] Database Format:       GDSII
[2025-09-06 14:35:00] [info] Verification Mode:    Full Check
[2025-09-06 14:35:00] [info] Error Reporting:      Enabled

[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Type of Errors | Count
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info] DB_WARN -> 1
[2025-09-06 14:35:00] [info] LRF_ERR001 -> 14
[2025-09-06 14:35:00] [info] DB_WARN002 -> 159
[2025-09-06 14:35:00] [info] DB_WARN003 -> 161
[2025-09-06 14:35:00] [info] VERI_WARN012 -> 113
[2025-09-06 14:35:00] [info] ERC_ERR019 -> 511
[2025-09-06 14:35:00] [info] LVS_ERR003 -> 499
[2025-09-06 14:35:00] [info] ERC_ERR003 -> 499
[2025-09-06 14:35:00] [info] ERC_ERR005 -> 113
[2025-09-06 14:35:00] [info] LVS_ERR030 -> 1
[2025-09-06 14:35:00] [info] -----
[2025-09-06 14:35:00] [info]           Summary
[2025-09-06 14:35:00] [info] -----

```

```
[2025-09-06 14:35:00] [info] ERC Status:          PASSED
[2025-09-06 14:35:00] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:35:00] [info] Short Circuits:      None Detected
[2025-09-06 14:35:00] [info] Open Circuits:       None Detected
[2025-09-06 14:35:00] [info] Unconnected Pins:    611
[2025-09-06 14:35:00] [info] Total Errors:        1637
[2025-09-06 14:35:00] [info] Total Warnings:      434
[2025-09-06 14:35:00] [info] Critical Issues:     None
```

```

[2025-09-06 14:40:57] [info] =====
[2025-09-06 14:40:57] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:40:57] [info] =====

[2025-09-06 14:40:57] [info] Report Generated:    2025-09-06
[2025-09-06 14:40:57] [info] Run Start Time:      02:35:27 PM
[2025-09-06 14:40:57] [info] Run End Time:        02:40:57 PM
[2025-09-06 14:40:57] [info] Time Taken:          5 minutes 51 seconds

[2025-09-06 14:40:57] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:40:57] [info] Host Name:           kuro-Workstation
[2025-09-06 14:40:57] [info] User Name:           kuro
[2025-09-06 14:40:57] [info] Cores Used:          16
[2025-09-06 14:40:57] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Top Cell Match
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 14:40:57] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Short and Open Checks
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info] Short Circuits:      None Detected
[2025-09-06 14:40:57] [info] Open Circuits:       None Detected

[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Performance Metrics
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info] | Stage                  | Time Taken |
[2025-09-06 14:40:57] [info] |-----|-----|
[2025-09-06 14:40:57] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:40:57] [info] | Connectivity Extraction  | 5 minutes 23 seconds |
[2025-09-06 14:40:57] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 14:40:57] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Additional Details
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:40:57] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:40:57] [info] Database Format:       GDSII
[2025-09-06 14:40:57] [info] Verification Mode:    Full Check
[2025-09-06 14:40:57] [info] Error Reporting:      Enabled

[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Type of Errors | Count
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info] DB_WARN -> 1
[2025-09-06 14:40:57] [info] LRF_ERR001 -> 14
[2025-09-06 14:40:57] [info] DB_WARN002 -> 157
[2025-09-06 14:40:57] [info] DB_WARN003 -> 159
[2025-09-06 14:40:57] [info] VERI_WARN012 -> 113
[2025-09-06 14:40:57] [info] ERC_ERR019 -> 502
[2025-09-06 14:40:57] [info] LVS_ERR003 -> 490
[2025-09-06 14:40:57] [info] ERC_ERR003 -> 490
[2025-09-06 14:40:57] [info] ERC_ERR005 -> 113
[2025-09-06 14:40:57] [info] LVS_ERR030 -> 1
[2025-09-06 14:40:57] [info] -----
[2025-09-06 14:40:57] [info]           Summary
[2025-09-06 14:40:57] [info] -----

```

```
[2025-09-06 14:40:57] [info] ERC Status:          PASSED
[2025-09-06 14:40:57] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:40:57] [info] Short Circuits:      None Detected
[2025-09-06 14:40:57] [info] Open Circuits:       None Detected
[2025-09-06 14:40:57] [info] Unconnected Pins:    602
[2025-09-06 14:40:57] [info] Total Errors:        1610
[2025-09-06 14:40:57] [info] Total Warnings:      430
[2025-09-06 14:40:57] [info] Critical Issues:     None
```

```

[2025-09-06 14:45:23] [info] =====
[2025-09-06 14:45:23] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:45:23] [info] =====

[2025-09-06 14:45:23] [info] Report Generated:    2025-09-06
[2025-09-06 14:45:23] [info] Run Start Time:      02:41:17 PM
[2025-09-06 14:45:23] [info] Run End Time:        02:45:23 PM
[2025-09-06 14:45:23] [info] Time Taken:          4 minutes 19 seconds

[2025-09-06 14:45:23] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:45:23] [info] Host Name:           kuro-Workstation
[2025-09-06 14:45:23] [info] User Name:           kuro
[2025-09-06 14:45:23] [info] Cores Used:          16
[2025-09-06 14:45:23] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Top Cell Match
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 14:45:23] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Short and Open Checks
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info] Short Circuits:      None Detected
[2025-09-06 14:45:23] [info] Open Circuits:       None Detected

[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Performance Metrics
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info] | Stage                  | Time Taken |
[2025-09-06 14:45:23] [info] |-----|-----|
[2025-09-06 14:45:23] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:45:23] [info] | Connectivity Extraction  | 4 minutes 0 seconds |
[2025-09-06 14:45:23] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:45:23] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Additional Details
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 14:45:23] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:45:23] [info] Database Format:       GDSII
[2025-09-06 14:45:23] [info] Verification Mode:    Full Check
[2025-09-06 14:45:23] [info] Error Reporting:      Enabled

[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Type of Errors | Count
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info] DB_WARN -> 1
[2025-09-06 14:45:23] [info] LRF_ERR001 -> 14
[2025-09-06 14:45:23] [info] DB_WARN002 -> 152
[2025-09-06 14:45:23] [info] DB_WARN003 -> 155
[2025-09-06 14:45:23] [info] VERI_WARN012 -> 113
[2025-09-06 14:45:23] [info] ERC_ERR019 -> 450
[2025-09-06 14:45:23] [info] LVS_ERR003 -> 438
[2025-09-06 14:45:23] [info] ERC_ERR003 -> 438
[2025-09-06 14:45:23] [info] ERC_ERR005 -> 113
[2025-09-06 14:45:23] [info] LVS_ERR030 -> 1
[2025-09-06 14:45:23] [info] -----
[2025-09-06 14:45:23] [info]           Summary
[2025-09-06 14:45:23] [info] -----

```

```
[2025-09-06 14:45:23] [info] ERC Status:          PASSED
[2025-09-06 14:45:23] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:45:23] [info] Short Circuits:      None Detected
[2025-09-06 14:45:23] [info] Open Circuits:       None Detected
[2025-09-06 14:45:23] [info] Unconnected Pins:    550
[2025-09-06 14:45:23] [info] Total Errors:        1454
[2025-09-06 14:45:23] [info] Total Warnings:      421
[2025-09-06 14:45:23] [info] Critical Issues:     None
```

```

[2025-09-06 10:57:30] [info] =====
[2025-09-06 10:57:30] [info]           Electrical Rule Check Summary Report
[2025-09-06 10:57:30] [info] =====

[2025-09-06 10:57:30] [info] Report Generated:    2025-09-06
[2025-09-06 10:57:30] [info] Run Start Time:      10:49:09 AM
[2025-09-06 10:57:30] [info] Run End Time:        10:57:30 AM
[2025-09-06 10:57:30] [info] Time Taken:          8 minutes 27 seconds

[2025-09-06 10:57:30] [info] Tool Version:        LVR_2025.1
[2025-09-06 10:57:30] [info] Host Name:           kuro-Workstation
[2025-09-06 10:57:30] [info] User Name:           kuro
[2025-09-06 10:57:30] [info] Cores Used:          1
[2025-09-06 10:57:30] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Top Cell Match
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 10:57:30] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Short and Open Checks
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info] Short Circuits:      None Detected
[2025-09-06 10:57:30] [info] Open Circuits:       None Detected

[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Performance Metrics
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info] | Stage                  | Time Taken |
[2025-09-06 10:57:30] [info] |-----|-----|
[2025-09-06 10:57:30] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 10:57:30] [info] | Connectivity Extraction | 8 minutes 18 seconds |
[2025-09-06 10:57:30] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 10:57:30] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Additional Details
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 10:57:30] [info] Hierarchical Cells:   Flattened
[2025-09-06 10:57:30] [info] Database Format:       GDSII
[2025-09-06 10:57:30] [info] Verification Mode:    Full Check
[2025-09-06 10:57:30] [info] Error Reporting:      Enabled

[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Type of Errors | Count
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info] DB_WARN -> 1
[2025-09-06 10:57:30] [info] LRF_ERR001 -> 14
[2025-09-06 10:57:30] [info] DB_WARN002 -> 144
[2025-09-06 10:57:30] [info] DB_WARN003 -> 137
[2025-09-06 10:57:30] [info] VERI_WARN012 -> 41
[2025-09-06 10:57:30] [info] ERC_ERR019 -> 18
[2025-09-06 10:57:30] [info] LVS_ERR003 -> 18
[2025-09-06 10:57:30] [info] ERC_ERR003 -> 18
[2025-09-06 10:57:30] [info] ERC_ERR005 -> 3
[2025-09-06 10:57:30] [info] LVS_ERR030 -> 1
[2025-09-06 10:57:30] [info] -----
[2025-09-06 10:57:30] [info]           Summary
[2025-09-06 10:57:30] [info] -----

```

```
[2025-09-06 10:57:30] [info] ERC Status:          PASSED
[2025-09-06 10:57:30] [info] Instance Match Percentage: 99.99%
[2025-09-06 10:57:30] [info] Short Circuits:          None Detected
[2025-09-06 10:57:30] [info] Open Circuits:          None Detected
[2025-09-06 10:57:30] [info] Unconnected Pins:        118
[2025-09-06 10:57:30] [info] Total Errors:           72
[2025-09-06 10:57:30] [info] Total Warnings:          323
[2025-09-06 10:57:30] [info] Critical Issues:         None
```

```

[2025-09-06 11:10:03] [info] =====
[2025-09-06 11:10:03] [info]           Electrical Rule Check Summary Report
[2025-09-06 11:10:03] [info] =====

[2025-09-06 11:10:03] [info] Report Generated:    2025-09-06
[2025-09-06 11:10:03] [info] Run Start Time:      10:57:40 AM
[2025-09-06 11:10:03] [info] Run End Time:        11:10:03 AM
[2025-09-06 11:10:03] [info] Time Taken:          12 minutes 30 seconds

[2025-09-06 11:10:03] [info] Tool Version:        LVR_2025.1
[2025-09-06 11:10:03] [info] Host Name:           kuro-Workstation
[2025-09-06 11:10:03] [info] User Name:           kuro
[2025-09-06 11:10:03] [info] Cores Used:          1
[2025-09-06 11:10:03] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Top Cell Match
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 11:10:03] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Short and Open Checks
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info] Short Circuits:      None Detected
[2025-09-06 11:10:03] [info] Open Circuits:       None Detected

[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Performance Metrics
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info] | Stage                | Time Taken |
[2025-09-06 11:10:03] [info] |-----|-----|
[2025-09-06 11:10:03] [info] | Netlist Parsing       | 0 minutes 0 seconds |
[2025-09-06 11:10:03] [info] | Connectivity Extraction | 12 minutes 19 seconds |
[2025-09-06 11:10:03] [info] | Device Matching       | 0 minutes 0 seconds |
[2025-09-06 11:10:03] [info] | Report Generation     | 0 minutes 0 seconds |

[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Additional Details
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 11:10:03] [info] Hierarchical Cells:   Flattened
[2025-09-06 11:10:03] [info] Database Format:       GDSII
[2025-09-06 11:10:03] [info] Verification Mode:    Full Check
[2025-09-06 11:10:03] [info] Error Reporting:      Enabled

[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Type of Errors | Count
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info] DB_WARN -> 1
[2025-09-06 11:10:03] [info] LRF_ERR001 -> 14
[2025-09-06 11:10:03] [info] DB_WARN002 -> 141
[2025-09-06 11:10:03] [info] DB_WARN003 -> 135
[2025-09-06 11:10:03] [info] VERI_WARN012 -> 39
[2025-09-06 11:10:03] [info] ERC_ERR019 -> 12
[2025-09-06 11:10:03] [info] LVS_ERR003 -> 12
[2025-09-06 11:10:03] [info] ERC_ERR003 -> 12
[2025-09-06 11:10:03] [info] ERC_ERR005 -> 3
[2025-09-06 11:10:03] [info] LVS_ERR030 -> 1
[2025-09-06 11:10:03] [info] -----
[2025-09-06 11:10:03] [info]           Summary
[2025-09-06 11:10:03] [info] -----

```

```
[2025-09-06 11:10:03] [info] ERC Status:          PASSED
[2025-09-06 11:10:03] [info] Instance Match Percentage: 99.99%
[2025-09-06 11:10:03] [info] Short Circuits:      None Detected
[2025-09-06 11:10:03] [info] Open Circuits:       None Detected
[2025-09-06 11:10:03] [info] Unconnected Pins:    112
[2025-09-06 11:10:03] [info] Total Errors:        54
[2025-09-06 11:10:03] [info] Total Warnings:      316
[2025-09-06 11:10:03] [info] Critical Issues:     None
```

```

[2025-09-06 11:17:46] [info] =====
[2025-09-06 11:17:46] [info]           Electrical Rule Check Summary Report
[2025-09-06 11:17:46] [info] =====

[2025-09-06 11:17:46] [info] Report Generated:    2025-09-06
[2025-09-06 11:17:46] [info] Run Start Time:      11:10:11 AM
[2025-09-06 11:17:46] [info] Run End Time:        11:17:46 AM
[2025-09-06 11:17:46] [info] Time Taken:          7 minutes 40 seconds

[2025-09-06 11:17:46] [info] Tool Version:        LVR_2025.1
[2025-09-06 11:17:46] [info] Host Name:           kuro-Workstation
[2025-09-06 11:17:46] [info] User Name:           kuro
[2025-09-06 11:17:46] [info] Cores Used:          1
[2025-09-06 11:17:46] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Top Cell Match
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 11:17:46] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Short and Open Checks
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info] Short Circuits:      None Detected
[2025-09-06 11:17:46] [info] Open Circuits:       None Detected

[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Performance Metrics
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info] | Stage                  | Time Taken |
[2025-09-06 11:17:46] [info] |-----|-----|
[2025-09-06 11:17:46] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 11:17:46] [info] | Connectivity Extraction | 7 minutes 32 seconds |
[2025-09-06 11:17:46] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 11:17:46] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Additional Details
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 11:17:46] [info] Hierarchical Cells:   Flattened
[2025-09-06 11:17:46] [info] Database Format:       GDSII
[2025-09-06 11:17:46] [info] Verification Mode:    Full Check
[2025-09-06 11:17:46] [info] Error Reporting:      Enabled

[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Type of Errors | Count
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info] DB_WARN -> 1
[2025-09-06 11:17:46] [info] LRF_ERROR01 -> 14
[2025-09-06 11:17:46] [info] DB_WARN002 -> 138
[2025-09-06 11:17:46] [info] DB_WARN003 -> 132
[2025-09-06 11:17:46] [info] VERI_WARN012 -> 36
[2025-09-06 11:17:46] [info] ERC_ERROR19 -> 12
[2025-09-06 11:17:46] [info] LVS_ERROR03 -> 12
[2025-09-06 11:17:46] [info] ERC_ERROR03 -> 12
[2025-09-06 11:17:46] [info] ERC_ERROR05 -> 3
[2025-09-06 11:17:46] [info] LVS_ERROR30 -> 1
[2025-09-06 11:17:46] [info] -----
[2025-09-06 11:17:46] [info]           Summary
[2025-09-06 11:17:46] [info] -----

```

```
[2025-09-06 11:17:46] [info] ERC Status:          PASSED
[2025-09-06 11:17:46] [info] Instance Match Percentage: 99.99%
[2025-09-06 11:17:46] [info] Short Circuits:      None Detected
[2025-09-06 11:17:46] [info] Open Circuits:       None Detected
[2025-09-06 11:17:46] [info] Unconnected Pins:    112
[2025-09-06 11:17:46] [info] Total Errors:        54
[2025-09-06 11:17:46] [info] Total Warnings:      307
[2025-09-06 11:17:46] [info] Critical Issues:     None
```

```

[2025-09-06 10:49:00] [info] =====
[2025-09-06 10:49:00] [info] Electrical Rule Check Summary Report
[2025-09-06 10:49:00] [info] =====

[2025-09-06 10:49:00] [info] Report Generated: 2025-09-06
[2025-09-06 10:49:00] [info] Run Start Time: 10:48:59 AM
[2025-09-06 10:49:00] [info] Run End Time: 10:49:00 AM
[2025-09-06 10:49:00] [info] Time Taken: 0 minutes 1 seconds

[2025-09-06 10:49:00] [info] Tool Version: LVR_2025.1
[2025-09-06 10:49:00] [info] Host Name: kuro-Workstation
[2025-09-06 10:49:00] [info] User Name: kuro
[2025-09-06 10:49:00] [info] Cores Used: 1
[2025-09-06 10:49:00] [info] Memory Utilized: 38.46 MB / 62.569705963134766 GB

[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Top Cell Match
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 10:49:00] [info] Schematic Top Cell: gcd1_sky130hd
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Short and Open Checks
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Short Circuits: None Detected
[2025-09-06 10:49:00] [info] Open Circuits: None Detected

[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Performance Metrics
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] | Stage | Time Taken |
[2025-09-06 10:49:00] [info] |-----|-----|
[2025-09-06 10:49:00] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:49:00] [info] | Connectivity Extraction | 0 minutes 1 seconds |
[2025-09-06 10:49:00] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:49:00] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Additional Details
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:49:00] [info] Hierarchical Cells: Flattened
[2025-09-06 10:49:00] [info] Database Format: GDSII
[2025-09-06 10:49:00] [info] Verification Mode: Full Check
[2025-09-06 10:49:00] [info] Error Reporting: Enabled

[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Type of Errors | Count
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] DB_WARN -> 1
[2025-09-06 10:49:00] [info] LRF_ERROR01 -> 14
[2025-09-06 10:49:00] [info] DB_WARN002 -> 58
[2025-09-06 10:49:00] [info] DB_WARN003 -> 55
[2025-09-06 10:49:00] [info] VERI_WARN012 -> 4
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] Summary
[2025-09-06 10:49:00] [info] -----
[2025-09-06 10:49:00] [info] ERC Status: PASSED
[2025-09-06 10:49:00] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:49:00] [info] Short Circuits: None Detected
[2025-09-06 10:49:00] [info] Open Circuits: None Detected
[2025-09-06 10:49:00] [info] Unconnected Pins: 100

```

```
[2025-09-06 10:49:00] [info] Total Errors:      14
[2025-09-06 10:49:00] [info] Total Warnings:    118
[2025-09-06 10:49:00] [info] Critical Issues:   None
```

```

[2025-09-06 10:49:01] [info] =====
[2025-09-06 10:49:01] [info] Electrical Rule Check Summary Report
[2025-09-06 10:49:01] [info] =====

[2025-09-06 10:49:01] [info] Report Generated: 2025-09-06
[2025-09-06 10:49:01] [info] Run Start Time: 10:49:00 AM
[2025-09-06 10:49:01] [info] Run End Time: 10:49:01 AM
[2025-09-06 10:49:01] [info] Time Taken: 0 minutes 1 seconds

[2025-09-06 10:49:01] [info] Tool Version: LVR_2025.1
[2025-09-06 10:49:01] [info] Host Name: kuro-Workstation
[2025-09-06 10:49:01] [info] User Name: kuro
[2025-09-06 10:49:01] [info] Cores Used: 1
[2025-09-06 10:49:01] [info] Memory Utilized: 43.01 MB / 62.569705963134766 GB

[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Top Cell Match
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Layout Top Cell: gcd2_sky130hd
[2025-09-06 10:49:01] [info] Schematic Top Cell: gcd2_sky130hd
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Short and Open Checks
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Short Circuits: None Detected
[2025-09-06 10:49:01] [info] Open Circuits: None Detected

[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Performance Metrics
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] | Stage | Time Taken |
[2025-09-06 10:49:01] [info] |-----|-----|
[2025-09-06 10:49:01] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:49:01] [info] | Connectivity Extraction | 0 minutes 1 seconds |
[2025-09-06 10:49:01] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:49:01] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Additional Details
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:49:01] [info] Hierarchical Cells: Flattened
[2025-09-06 10:49:01] [info] Database Format: GDSII
[2025-09-06 10:49:01] [info] Verification Mode: Full Check
[2025-09-06 10:49:01] [info] Error Reporting: Enabled

[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Type of Errors | Count
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] DB_WARN -> 1
[2025-09-06 10:49:01] [info] LRF_ERROR01 -> 14
[2025-09-06 10:49:01] [info] DB_WARN002 -> 59
[2025-09-06 10:49:01] [info] DB_WARN003 -> 56
[2025-09-06 10:49:01] [info] VERI_WARN012 -> 5
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] Summary
[2025-09-06 10:49:01] [info] -----
[2025-09-06 10:49:01] [info] ERC Status: PASSED
[2025-09-06 10:49:01] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:49:01] [info] Short Circuits: None Detected
[2025-09-06 10:49:01] [info] Open Circuits: None Detected
[2025-09-06 10:49:01] [info] Unconnected Pins: 100

```

```
[2025-09-06 10:49:01] [info] Total Errors:      14
[2025-09-06 10:49:01] [info] Total Warnings:    121
[2025-09-06 10:49:01] [info] Critical Issues:  None
```

```

[2025-09-06 10:49:02] [info] =====
[2025-09-06 10:49:02] [info] Electrical Rule Check Summary Report
[2025-09-06 10:49:02] [info] =====

[2025-09-06 10:49:02] [info] Report Generated: 2025-09-06
[2025-09-06 10:49:02] [info] Run Start Time: 10:49:01 AM
[2025-09-06 10:49:02] [info] Run End Time: 10:49:02 AM
[2025-09-06 10:49:02] [info] Time Taken: 0 minutes 1 seconds

[2025-09-06 10:49:02] [info] Tool Version: LVR_2025.1
[2025-09-06 10:49:02] [info] Host Name: kuro-Workstation
[2025-09-06 10:49:02] [info] User Name: kuro
[2025-09-06 10:49:02] [info] Cores Used: 1
[2025-09-06 10:49:02] [info] Memory Utilized: 32.48 MB / 62.569705963134766 GB

[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Top Cell Match
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 10:49:02] [info] Schematic Top Cell: gcd3_sky130hd
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Short and Open Checks
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Short Circuits: None Detected
[2025-09-06 10:49:02] [info] Open Circuits: None Detected

[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Performance Metrics
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] | Stage | Time Taken |
[2025-09-06 10:49:02] [info] |-----|-----|
[2025-09-06 10:49:02] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 10:49:02] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 10:49:02] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 10:49:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Additional Details
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 10:49:02] [info] Hierarchical Cells: Flattened
[2025-09-06 10:49:02] [info] Database Format: GDSII
[2025-09-06 10:49:02] [info] Verification Mode: Full Check
[2025-09-06 10:49:02] [info] Error Reporting: Enabled

[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Type of Errors | Count
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] DB_WARN -> 1
[2025-09-06 10:49:02] [info] LRF_ERROR01 -> 14
[2025-09-06 10:49:02] [info] DB_WARN002 -> 59
[2025-09-06 10:49:02] [info] DB_WARN003 -> 56
[2025-09-06 10:49:02] [info] VERI_WARN012 -> 6
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] Summary
[2025-09-06 10:49:02] [info] -----
[2025-09-06 10:49:02] [info] ERC Status: PASSED
[2025-09-06 10:49:02] [info] Instance Match Percentage: 100.00%
[2025-09-06 10:49:02] [info] Short Circuits: None Detected
[2025-09-06 10:49:02] [info] Open Circuits: None Detected
[2025-09-06 10:49:02] [info] Unconnected Pins: 100

```

```
[2025-09-06 10:49:02] [info] Total Errors:      14
[2025-09-06 10:49:02] [info] Total Warnings:    122
[2025-09-06 10:49:02] [info] Critical Issues:   None
```

```

[2025-09-06 11:24:20] [info] =====
[2025-09-06 11:24:20] [info]           Electrical Rule Check Summary Report
[2025-09-06 11:24:20] [info] =====

[2025-09-06 11:24:20] [info] Report Generated:    2025-09-06
[2025-09-06 11:24:20] [info] Run Start Time:      11:17:53 AM
[2025-09-06 11:24:20] [info] Run End Time:        11:24:20 AM
[2025-09-06 11:24:20] [info] Time Taken:          6 minutes 32 seconds

[2025-09-06 11:24:20] [info] Tool Version:        LVR_2025.1
[2025-09-06 11:24:20] [info] Host Name:           kuro-Workstation
[2025-09-06 11:24:20] [info] User Name:           kuro
[2025-09-06 11:24:20] [info] Cores Used:          1
[2025-09-06 11:24:20] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Top Cell Match
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 11:24:20] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Short and Open Checks
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] Short Circuits:      None Detected
[2025-09-06 11:24:20] [info] Open Circuits:       None Detected

[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Performance Metrics
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] | Stage                  | Time Taken |
[2025-09-06 11:24:20] [info] |-----|-----|
[2025-09-06 11:24:20] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 11:24:20] [info] | Connectivity Extraction  | 6 minutes 23 seconds |
[2025-09-06 11:24:20] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 11:24:20] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Additional Details
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 11:24:20] [info] Hierarchical Cells:   Flattened
[2025-09-06 11:24:20] [info] Database Format:       GDSII
[2025-09-06 11:24:20] [info] Verification Mode:    Full Check
[2025-09-06 11:24:20] [info] Error Reporting:      Enabled

[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Type of Errors | Count
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] DB_WARN -> 1
[2025-09-06 11:24:20] [info] LRF_ERR001 -> 14
[2025-09-06 11:24:20] [info] DB_WARN002 -> 251
[2025-09-06 11:24:20] [info] DB_WARN003 -> 251
[2025-09-06 11:24:20] [info] VERI_WARN012 -> 34
[2025-09-06 11:24:20] [info] ERC_ERR019 -> 38
[2025-09-06 11:24:20] [info] ERC_ERR001 -> 4
[2025-09-06 11:24:20] [info] LVS_ERR003 -> 13
[2025-09-06 11:24:20] [info] ERC_ERR003 -> 13
[2025-09-06 11:24:20] [info] ERC_ERR005 -> 11
[2025-09-06 11:24:20] [info] LVS_ERR030 -> 1
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info]           Summary

```

```
[2025-09-06 11:24:20] [info] -----
[2025-09-06 11:24:20] [info] ERC Status:          PASSED
[2025-09-06 11:24:20] [info] Instance Match Percentage: 99.95%
[2025-09-06 11:24:20] [info] Short Circuits:      None Detected
[2025-09-06 11:24:20] [info] Open Circuits:       None Detected
[2025-09-06 11:24:20] [info] Unconnected Pins:    138
[2025-09-06 11:24:20] [info] Total Errors:        94
[2025-09-06 11:24:20] [info] Total Warnings:      537
[2025-09-06 11:24:20] [info] Critical Issues:     None
```

```

[2025-09-06 11:31:12] [info] =====
[2025-09-06 11:31:12] [info]           Electrical Rule Check Summary Report
[2025-09-06 11:31:12] [info] =====

[2025-09-06 11:31:12] [info] Report Generated:    2025-09-06
[2025-09-06 11:31:12] [info] Run Start Time:      11:24:27 AM
[2025-09-06 11:31:12] [info] Run End Time:        11:31:12 AM
[2025-09-06 11:31:12] [info] Time Taken:          6 minutes 50 seconds

[2025-09-06 11:31:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 11:31:12] [info] Host Name:           kuro-Workstation
[2025-09-06 11:31:12] [info] User Name:           kuro
[2025-09-06 11:31:12] [info] Cores Used:          1
[2025-09-06 11:31:12] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Top Cell Match
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 11:31:12] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Short and Open Checks
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] Short Circuits:      None Detected
[2025-09-06 11:31:12] [info] Open Circuits:       None Detected

[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Performance Metrics
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] | Stage                  | Time Taken |
[2025-09-06 11:31:12] [info] |-----|-----|
[2025-09-06 11:31:12] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 11:31:12] [info] | Connectivity Extraction  | 6 minutes 42 seconds |
[2025-09-06 11:31:12] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 11:31:12] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Additional Details
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 11:31:12] [info] Hierarchical Cells:   Flattened
[2025-09-06 11:31:12] [info] Database Format:       GDSII
[2025-09-06 11:31:12] [info] Verification Mode:    Full Check
[2025-09-06 11:31:12] [info] Error Reporting:      Enabled

[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Type of Errors | Count
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] DB_WARN -> 1
[2025-09-06 11:31:12] [info] LRF_ERR001 -> 14
[2025-09-06 11:31:12] [info] DB_WARN002 -> 249
[2025-09-06 11:31:12] [info] DB_WARN003 -> 249
[2025-09-06 11:31:12] [info] VERI_WARN012 -> 31
[2025-09-06 11:31:12] [info] ERC_ERR019 -> 32
[2025-09-06 11:31:12] [info] ERC_ERR001 -> 4
[2025-09-06 11:31:12] [info] LVS_ERR003 -> 11
[2025-09-06 11:31:12] [info] ERC_ERR003 -> 11
[2025-09-06 11:31:12] [info] ERC_ERR005 -> 12
[2025-09-06 11:31:12] [info] LVS_ERR030 -> 1
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info]           Summary

```

```
[2025-09-06 11:31:12] [info] -----
[2025-09-06 11:31:12] [info] ERC Status:          PASSED
[2025-09-06 11:31:12] [info] Instance Match Percentage: 99.94%
[2025-09-06 11:31:12] [info] Short Circuits:      None Detected
[2025-09-06 11:31:12] [info] Open Circuits:       None Detected
[2025-09-06 11:31:12] [info] Unconnected Pins:    132
[2025-09-06 11:31:12] [info] Total Errors:        85
[2025-09-06 11:31:12] [info] Total Warnings:      530
[2025-09-06 11:31:12] [info] Critical Issues:     None
```

```

[2025-09-06 11:37:40] [info] =====
[2025-09-06 11:37:40] [info] Electrical Rule Check Summary Report
[2025-09-06 11:37:40] [info] =====

[2025-09-06 11:37:40] [info] Report Generated: 2025-09-06
[2025-09-06 11:37:40] [info] Run Start Time: 11:31:20 AM
[2025-09-06 11:37:40] [info] Run End Time: 11:37:40 AM
[2025-09-06 11:37:40] [info] Time Taken: 6 minutes 26 seconds

[2025-09-06 11:37:40] [info] Tool Version: LVR_2025.1
[2025-09-06 11:37:40] [info] Host Name: kuro-Workstation
[2025-09-06 11:37:40] [info] User Name: kuro
[2025-09-06 11:37:40] [info] Cores Used: 1
[2025-09-06 11:37:40] [info] Memory Utilized: 2577.80 MB / 62.569705963134766 GB

[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Top Cell Match
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-09-06 11:37:40] [info] Schematic Top Cell: ibex_core3_sky130hd
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Short and Open Checks
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Short Circuits: None Detected
[2025-09-06 11:37:40] [info] Open Circuits: None Detected

[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Performance Metrics
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] | Stage | Time Taken |
[2025-09-06 11:37:40] [info] |-----|-----|
[2025-09-06 11:37:40] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 11:37:40] [info] | Connectivity Extraction | 6 minutes 17 seconds |
[2025-09-06 11:37:40] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 11:37:40] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Additional Details
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 11:37:40] [info] Hierarchical Cells: Flattened
[2025-09-06 11:37:40] [info] Database Format: GDSII
[2025-09-06 11:37:40] [info] Verification Mode: Full Check
[2025-09-06 11:37:40] [info] Error Reporting: Enabled

[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Type of Errors | Count
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] DB_WARN -> 1
[2025-09-06 11:37:40] [info] LRF_ERR001 -> 14
[2025-09-06 11:37:40] [info] DB_WARN002 -> 253
[2025-09-06 11:37:40] [info] DB_WARN003 -> 251
[2025-09-06 11:37:40] [info] VERI_WARN012 -> 53
[2025-09-06 11:37:40] [info] ERC_ERR019 -> 31
[2025-09-06 11:37:40] [info] LVS_ERR003 -> 11
[2025-09-06 11:37:40] [info] ERC_ERR003 -> 11
[2025-09-06 11:37:40] [info] ERC_ERR001 -> 2
[2025-09-06 11:37:40] [info] ERC_ERR005 -> 9
[2025-09-06 11:37:40] [info] LVS_ERR030 -> 1
[2025-09-06 11:37:40] [info] -----
[2025-09-06 11:37:40] [info] Summary

```

```
[2025-09-06 11:37:40] [info] -----  
[2025-09-06 11:37:40] [info] ERC Status:          PASSED  
[2025-09-06 11:37:40] [info] Instance Match Percentage: 99.95%  
[2025-09-06 11:37:40] [info] Short Circuits:      None Detected  
[2025-09-06 11:37:40] [info] Open Circuits:       None Detected  
[2025-09-06 11:37:40] [info] Unconnected Pins:    131  
[2025-09-06 11:37:40] [info] Total Errors:        79  
[2025-09-06 11:37:40] [info] Total Warnings:      558  
[2025-09-06 11:37:40] [info] Critical Issues:     None
```

```

[2025-09-06 12:07:19] [info] =====
[2025-09-06 12:07:19] [info]           Electrical Rule Check Summary Report
[2025-09-06 12:07:19] [info] =====

[2025-09-06 12:07:19] [info] Report Generated:    2025-09-06
[2025-09-06 12:07:19] [info] Run Start Time:      11:37:59 AM
[2025-09-06 12:07:19] [info] Run End Time:        12:07:19 PM
[2025-09-06 12:07:19] [info] Time Taken:          29 minutes 37 seconds

[2025-09-06 12:07:19] [info] Tool Version:        LVR_2025.1
[2025-09-06 12:07:19] [info] Host Name:           kuro-Workstation
[2025-09-06 12:07:19] [info] User Name:           kuro
[2025-09-06 12:07:19] [info] Cores Used:          1
[2025-09-06 12:07:19] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Top Cell Match
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 12:07:19] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Short and Open Checks
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info] Short Circuits:      None Detected
[2025-09-06 12:07:19] [info] Open Circuits:       None Detected

[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Performance Metrics
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info] | Stage                  | Time Taken |
[2025-09-06 12:07:19] [info] |-----|-----|
[2025-09-06 12:07:19] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 12:07:19] [info] | Connectivity Extraction  | 29 minutes 14 seconds |
[2025-09-06 12:07:19] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 12:07:19] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Additional Details
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 12:07:19] [info] Hierarchical Cells:   Flattened
[2025-09-06 12:07:19] [info] Database Format:       GDSII
[2025-09-06 12:07:19] [info] Verification Mode:    Full Check
[2025-09-06 12:07:19] [info] Error Reporting:      Enabled

[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Type of Errors | Count
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info] DB_WARN -> 1
[2025-09-06 12:07:19] [info] LRF_ERR001 -> 14
[2025-09-06 12:07:19] [info] DB_WARN002 -> 159
[2025-09-06 12:07:19] [info] DB_WARN003 -> 161
[2025-09-06 12:07:19] [info] VERI_WARN012 -> 113
[2025-09-06 12:07:19] [info] ERC_ERR019 -> 511
[2025-09-06 12:07:19] [info] LVS_ERR003 -> 499
[2025-09-06 12:07:19] [info] ERC_ERR003 -> 499
[2025-09-06 12:07:19] [info] ERC_ERR005 -> 113
[2025-09-06 12:07:19] [info] LVS_ERR030 -> 1
[2025-09-06 12:07:19] [info] -----
[2025-09-06 12:07:19] [info]           Summary
[2025-09-06 12:07:19] [info] -----

```

```
[2025-09-06 12:07:19] [info] ERC Status:          PASSED
[2025-09-06 12:07:19] [info] Instance Match Percentage: 99.75%
[2025-09-06 12:07:19] [info] Short Circuits:      None Detected
[2025-09-06 12:07:19] [info] Open Circuits:       None Detected
[2025-09-06 12:07:19] [info] Unconnected Pins:    611
[2025-09-06 12:07:19] [info] Total Errors:        1637
[2025-09-06 12:07:19] [info] Total Warnings:      434
[2025-09-06 12:07:19] [info] Critical Issues:     None
```

```

[2025-09-06 12:41:29] [info] =====
[2025-09-06 12:41:29] [info]           Electrical Rule Check Summary Report
[2025-09-06 12:41:29] [info] =====

[2025-09-06 12:41:29] [info] Report Generated:    2025-09-06
[2025-09-06 12:41:29] [info] Run Start Time:      12:07:45 PM
[2025-09-06 12:41:29] [info] Run End Time:        12:41:29 PM
[2025-09-06 12:41:29] [info] Time Taken:          34 minutes 4 seconds

[2025-09-06 12:41:29] [info] Tool Version:        LVR_2025.1
[2025-09-06 12:41:29] [info] Host Name:           kuro-Workstation
[2025-09-06 12:41:29] [info] User Name:           kuro
[2025-09-06 12:41:29] [info] Cores Used:          1
[2025-09-06 12:41:29] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Top Cell Match
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 12:41:29] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Short and Open Checks
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info] Short Circuits:      None Detected
[2025-09-06 12:41:29] [info] Open Circuits:       None Detected

[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Performance Metrics
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info] | Stage                  | Time Taken |
[2025-09-06 12:41:29] [info] |-----|-----|
[2025-09-06 12:41:29] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 12:41:29] [info] | Connectivity Extraction  | 33 minutes 37 seconds |
[2025-09-06 12:41:29] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 12:41:29] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Additional Details
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 12:41:29] [info] Hierarchical Cells:    Flattened
[2025-09-06 12:41:29] [info] Database Format:        GDSII
[2025-09-06 12:41:29] [info] Verification Mode:     Full Check
[2025-09-06 12:41:29] [info] Error Reporting:       Enabled

[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Type of Errors | Count
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info] DB_WARN -> 1
[2025-09-06 12:41:29] [info] LRF_ERR001 -> 14
[2025-09-06 12:41:29] [info] DB_WARN002 -> 157
[2025-09-06 12:41:29] [info] DB_WARN003 -> 159
[2025-09-06 12:41:29] [info] VERI_WARN012 -> 113
[2025-09-06 12:41:29] [info] ERC_ERR019 -> 502
[2025-09-06 12:41:29] [info] LVS_ERR003 -> 490
[2025-09-06 12:41:29] [info] ERC_ERR003 -> 490
[2025-09-06 12:41:29] [info] ERC_ERR005 -> 113
[2025-09-06 12:41:29] [info] LVS_ERR030 -> 1
[2025-09-06 12:41:29] [info] -----
[2025-09-06 12:41:29] [info]           Summary
[2025-09-06 12:41:29] [info] -----

```

```
[2025-09-06 12:41:29] [info] ERC Status:          PASSED
[2025-09-06 12:41:29] [info] Instance Match Percentage: 99.75%
[2025-09-06 12:41:29] [info] Short Circuits:      None Detected
[2025-09-06 12:41:29] [info] Open Circuits:       None Detected
[2025-09-06 12:41:29] [info] Unconnected Pins:    602
[2025-09-06 12:41:29] [info] Total Errors:        1610
[2025-09-06 12:41:29] [info] Total Warnings:      430
[2025-09-06 12:41:29] [info] Critical Issues:     None
```

```

[2025-09-06 13:07:55] [info] =====
[2025-09-06 13:07:55] [info] Electrical Rule Check Summary Report
[2025-09-06 13:07:55] [info] =====

[2025-09-06 13:07:55] [info] Report Generated: 2025-09-06
[2025-09-06 13:07:55] [info] Run Start Time: 12:41:49 PM
[2025-09-06 13:07:55] [info] Run End Time: 01:07:54 PM
[2025-09-06 13:07:55] [info] Time Taken: 26 minutes 19 seconds

[2025-09-06 13:07:55] [info] Tool Version: LVR_2025.1
[2025-09-06 13:07:55] [info] Host Name: kuro-Workstation
[2025-09-06 13:07:55] [info] User Name: kuro
[2025-09-06 13:07:55] [info] Cores Used: 1
[2025-09-06 13:07:55] [info] Memory Utilized: 5873.45 MB / 62.569705963134766 GB

[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Top Cell Match
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 13:07:55] [info] Schematic Top Cell: jpeg_encoder3_sky130hd
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Short and Open Checks
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Short Circuits: None Detected
[2025-09-06 13:07:55] [info] Open Circuits: None Detected

[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Performance Metrics
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] | Stage | Time Taken |
[2025-09-06 13:07:55] [info] |-----|-----|
[2025-09-06 13:07:55] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 13:07:55] [info] | Connectivity Extraction | 25 minutes 59 seconds |
[2025-09-06 13:07:55] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 13:07:55] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Additional Details
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 13:07:55] [info] Hierarchical Cells: Flattened
[2025-09-06 13:07:55] [info] Database Format: GDSII
[2025-09-06 13:07:55] [info] Verification Mode: Full Check
[2025-09-06 13:07:55] [info] Error Reporting: Enabled

[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Type of Errors | Count
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] DB_WARN -> 1
[2025-09-06 13:07:55] [info] LRF_ERR001 -> 14
[2025-09-06 13:07:55] [info] DB_WARN002 -> 152
[2025-09-06 13:07:55] [info] DB_WARN003 -> 155
[2025-09-06 13:07:55] [info] VERI_WARN012 -> 113
[2025-09-06 13:07:55] [info] ERC_ERR019 -> 450
[2025-09-06 13:07:55] [info] LVS_ERR003 -> 438
[2025-09-06 13:07:55] [info] ERC_ERR003 -> 438
[2025-09-06 13:07:55] [info] ERC_ERR005 -> 113
[2025-09-06 13:07:55] [info] LVS_ERR030 -> 1
[2025-09-06 13:07:55] [info] -----
[2025-09-06 13:07:55] [info] Summary
[2025-09-06 13:07:55] [info] -----

```

```
[2025-09-06 13:07:55] [info] ERC Status:          PASSED
[2025-09-06 13:07:55] [info] Instance Match Percentage: 99.75%
[2025-09-06 13:07:55] [info] Short Circuits:      None Detected
[2025-09-06 13:07:55] [info] Open Circuits:       None Detected
[2025-09-06 13:07:55] [info] Unconnected Pins:    550
[2025-09-06 13:07:55] [info] Total Errors:        1454
[2025-09-06 13:07:55] [info] Total Warnings:      421
[2025-09-06 13:07:55] [info] Critical Issues:     None
```

```

[2025-09-06 13:10:36] [info] =====
[2025-09-06 13:10:36] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:10:36] [info] =====

[2025-09-06 13:10:36] [info] Report Generated:    2025-09-06
[2025-09-06 13:10:36] [info] Run Start Time:      01:08:07 PM
[2025-09-06 13:10:36] [info] Run End Time:        01:10:36 PM
[2025-09-06 13:10:36] [info] Time Taken:          2 minutes 35 seconds

[2025-09-06 13:10:36] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:10:36] [info] Host Name:           kuro-Workstation
[2025-09-06 13:10:36] [info] User Name:           kuro
[2025-09-06 13:10:36] [info] Cores Used:          4
[2025-09-06 13:10:36] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Top Cell Match
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 13:10:36] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Short and Open Checks
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info] Short Circuits:      None Detected
[2025-09-06 13:10:36] [info] Open Circuits:       None Detected

[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Performance Metrics
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info] | Stage                  | Time Taken |
[2025-09-06 13:10:36] [info] |-----|-----|
[2025-09-06 13:10:36] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:10:36] [info] | Connectivity Extraction  | 2 minutes 25 seconds |
[2025-09-06 13:10:36] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:10:36] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Additional Details
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 13:10:36] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:10:36] [info] Database Format:       GDSII
[2025-09-06 13:10:36] [info] Verification Mode:    Full Check
[2025-09-06 13:10:36] [info] Error Reporting:      Enabled

[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Type of Errors | Count
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info] DB_WARN -> 1
[2025-09-06 13:10:36] [info] LRF_ERR001 -> 14
[2025-09-06 13:10:36] [info] DB_WARN002 -> 144
[2025-09-06 13:10:36] [info] DB_WARN003 -> 137
[2025-09-06 13:10:36] [info] VERI_WARN012 -> 41
[2025-09-06 13:10:36] [info] ERC_ERR019 -> 18
[2025-09-06 13:10:36] [info] LVS_ERR003 -> 18
[2025-09-06 13:10:36] [info] ERC_ERR003 -> 18
[2025-09-06 13:10:36] [info] ERC_ERR005 -> 3
[2025-09-06 13:10:36] [info] LVS_ERR030 -> 1
[2025-09-06 13:10:36] [info] -----
[2025-09-06 13:10:36] [info]           Summary
[2025-09-06 13:10:36] [info] -----

```

```
[2025-09-06 13:10:36] [info] ERC Status:          PASSED
[2025-09-06 13:10:36] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:10:36] [info] Short Circuits:          None Detected
[2025-09-06 13:10:36] [info] Open Circuits:          None Detected
[2025-09-06 13:10:36] [info] Unconnected Pins:        118
[2025-09-06 13:10:36] [info] Total Errors:           72
[2025-09-06 13:10:36] [info] Total Warnings:          323
[2025-09-06 13:10:36] [info] Critical Issues:         None
```

```

[2025-09-06 13:14:34] [info] =====
[2025-09-06 13:14:34] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:14:34] [info] =====

[2025-09-06 13:14:34] [info] Report Generated:    2025-09-06
[2025-09-06 13:14:34] [info] Run Start Time:      01:10:46 PM
[2025-09-06 13:14:34] [info] Run End Time:        01:14:33 PM
[2025-09-06 13:14:34] [info] Time Taken:          3 minutes 55 seconds

[2025-09-06 13:14:34] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:14:34] [info] Host Name:           kuro-Workstation
[2025-09-06 13:14:34] [info] User Name:           kuro
[2025-09-06 13:14:34] [info] Cores Used:          4
[2025-09-06 13:14:34] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Top Cell Match
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 13:14:34] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Short and Open Checks
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info] Short Circuits:      None Detected
[2025-09-06 13:14:34] [info] Open Circuits:       None Detected

[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Performance Metrics
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info] | Stage                  | Time Taken |
[2025-09-06 13:14:34] [info] |-----|-----|
[2025-09-06 13:14:34] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:14:34] [info] | Connectivity Extraction  | 3 minutes 44 seconds |
[2025-09-06 13:14:34] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:14:34] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Additional Details
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:14:34] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:14:34] [info] Database Format:       GDSII
[2025-09-06 13:14:34] [info] Verification Mode:    Full Check
[2025-09-06 13:14:34] [info] Error Reporting:      Enabled

[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Type of Errors | Count
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info] DB_WARN -> 1
[2025-09-06 13:14:34] [info] LRF_ERR001 -> 14
[2025-09-06 13:14:34] [info] DB_WARN002 -> 141
[2025-09-06 13:14:34] [info] DB_WARN003 -> 135
[2025-09-06 13:14:34] [info] VERI_WARN012 -> 39
[2025-09-06 13:14:34] [info] ERC_ERR019 -> 12
[2025-09-06 13:14:34] [info] LVS_ERR003 -> 12
[2025-09-06 13:14:34] [info] ERC_ERR003 -> 12
[2025-09-06 13:14:34] [info] ERC_ERR005 -> 3
[2025-09-06 13:14:34] [info] LVS_ERR030 -> 1
[2025-09-06 13:14:34] [info] -----
[2025-09-06 13:14:34] [info]           Summary
[2025-09-06 13:14:34] [info] -----

```

```
[2025-09-06 13:14:34] [info] ERC Status:          PASSED
[2025-09-06 13:14:34] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:14:34] [info] Short Circuits:      None Detected
[2025-09-06 13:14:34] [info] Open Circuits:       None Detected
[2025-09-06 13:14:34] [info] Unconnected Pins:    112
[2025-09-06 13:14:34] [info] Total Errors:        54
[2025-09-06 13:14:34] [info] Total Warnings:      316
[2025-09-06 13:14:34] [info] Critical Issues:     None
```

```

[2025-09-06 13:17:00] [info] =====
[2025-09-06 13:17:00] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:17:00] [info] =====

[2025-09-06 13:17:00] [info] Report Generated:    2025-09-06
[2025-09-06 13:17:00] [info] Run Start Time:      01:14:42 PM
[2025-09-06 13:17:00] [info] Run End Time:        01:17:00 PM
[2025-09-06 13:17:00] [info] Time Taken:          2 minutes 23 seconds

[2025-09-06 13:17:00] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:17:00] [info] Host Name:           kuro-Workstation
[2025-09-06 13:17:00] [info] User Name:           kuro
[2025-09-06 13:17:00] [info] Cores Used:          4
[2025-09-06 13:17:00] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Top Cell Match
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 13:17:00] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Short and Open Checks
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info] Short Circuits:      None Detected
[2025-09-06 13:17:00] [info] Open Circuits:       None Detected

[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Performance Metrics
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info] | Stage                  | Time Taken |
[2025-09-06 13:17:00] [info] |-----|-----|
[2025-09-06 13:17:00] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:17:00] [info] | Connectivity Extraction  | 2 minutes 15 seconds |
[2025-09-06 13:17:00] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:17:00] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Additional Details
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:17:00] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:17:00] [info] Database Format:       GDSII
[2025-09-06 13:17:00] [info] Verification Mode:    Full Check
[2025-09-06 13:17:00] [info] Error Reporting:      Enabled

[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Type of Errors | Count
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info] DB_WARN -> 1
[2025-09-06 13:17:00] [info] LRF_ERR001 -> 14
[2025-09-06 13:17:00] [info] DB_WARN002 -> 138
[2025-09-06 13:17:00] [info] DB_WARN003 -> 132
[2025-09-06 13:17:00] [info] VERI_WARN012 -> 36
[2025-09-06 13:17:00] [info] ERC_ERR019 -> 12
[2025-09-06 13:17:00] [info] LVS_ERR003 -> 12
[2025-09-06 13:17:00] [info] ERC_ERR003 -> 12
[2025-09-06 13:17:00] [info] ERC_ERR005 -> 3
[2025-09-06 13:17:00] [info] LVS_ERR030 -> 1
[2025-09-06 13:17:00] [info] -----
[2025-09-06 13:17:00] [info]           Summary
[2025-09-06 13:17:00] [info] -----

```

```
[2025-09-06 13:17:00] [info] ERC Status:          PASSED
[2025-09-06 13:17:00] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:17:00] [info] Short Circuits:          None Detected
[2025-09-06 13:17:00] [info] Open Circuits:          None Detected
[2025-09-06 13:17:00] [info] Unconnected Pins:        112
[2025-09-06 13:17:00] [info] Total Errors:           54
[2025-09-06 13:17:00] [info] Total Warnings:          307
[2025-09-06 13:17:00] [info] Critical Issues:         None
```

```

[2025-09-06 13:08:00] [info] =====
[2025-09-06 13:08:00] [info] Electrical Rule Check Summary Report
[2025-09-06 13:08:00] [info] =====

[2025-09-06 13:08:00] [info] Report Generated: 2025-09-06
[2025-09-06 13:08:00] [info] Run Start Time: 01:07:59 PM
[2025-09-06 13:08:00] [info] Run End Time: 01:08:00 PM
[2025-09-06 13:08:00] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 13:08:00] [info] Tool Version: LVR_2025.1
[2025-09-06 13:08:00] [info] Host Name: kuro-Workstation
[2025-09-06 13:08:00] [info] User Name: kuro
[2025-09-06 13:08:00] [info] Cores Used: 4
[2025-09-06 13:08:00] [info] Memory Utilized: 38.46 MB / 62.569705963134766 GB

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Top Cell Match
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Layout Top Cell: gcd1_sky130hd
[2025-09-06 13:08:00] [info] Schematic Top Cell: gcd1_sky130hd
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Short and Open Checks
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Short Circuits: None Detected
[2025-09-06 13:08:00] [info] Open Circuits: None Detected

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Performance Metrics
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] | Stage | Time Taken |
[2025-09-06 13:08:00] [info] |-----|-----|
[2025-09-06 13:08:00] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Additional Details
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 13:08:00] [info] Hierarchical Cells: Flattened
[2025-09-06 13:08:00] [info] Database Format: GDSII
[2025-09-06 13:08:00] [info] Verification Mode: Full Check
[2025-09-06 13:08:00] [info] Error Reporting: Enabled

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Type of Errors | Count
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] DB_WARN -> 1
[2025-09-06 13:08:00] [info] LRF_ERROR01 -> 14
[2025-09-06 13:08:00] [info] DB_WARN002 -> 58
[2025-09-06 13:08:00] [info] DB_WARN003 -> 55
[2025-09-06 13:08:00] [info] VERI_WARN012 -> 4
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Summary
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] ERC Status: PASSED
[2025-09-06 13:08:00] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:08:00] [info] Short Circuits: None Detected
[2025-09-06 13:08:00] [info] Open Circuits: None Detected
[2025-09-06 13:08:00] [info] Unconnected Pins: 100

```

```
[2025-09-06 13:08:00] [info] Total Errors:      14
[2025-09-06 13:08:00] [info] Total Warnings:    118
[2025-09-06 13:08:00] [info] Critical Issues:   None
```

```

[2025-09-06 13:08:00] [info] =====
[2025-09-06 13:08:00] [info] Electrical Rule Check Summary Report
[2025-09-06 13:08:00] [info] =====

[2025-09-06 13:08:00] [info] Report Generated: 2025-09-06
[2025-09-06 13:08:00] [info] Run Start Time: 01:08:00 PM
[2025-09-06 13:08:00] [info] Run End Time: 01:08:00 PM
[2025-09-06 13:08:00] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 13:08:00] [info] Tool Version: LVR_2025.1
[2025-09-06 13:08:00] [info] Host Name: kuro-Workstation
[2025-09-06 13:08:00] [info] User Name: kuro
[2025-09-06 13:08:00] [info] Cores Used: 4
[2025-09-06 13:08:00] [info] Memory Utilized: 43.01 MB / 62.569705963134766 GB

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Top Cell Match
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Layout Top Cell: gcd2_sky130hd
[2025-09-06 13:08:00] [info] Schematic Top Cell: gcd2_sky130hd
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Short and Open Checks
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Short Circuits: None Detected
[2025-09-06 13:08:00] [info] Open Circuits: None Detected

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Performance Metrics
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] | Stage | Time Taken |
[2025-09-06 13:08:00] [info] |-----|-----|
[2025-09-06 13:08:00] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 13:08:00] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Additional Details
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 13:08:00] [info] Hierarchical Cells: Flattened
[2025-09-06 13:08:00] [info] Database Format: GDSII
[2025-09-06 13:08:00] [info] Verification Mode: Full Check
[2025-09-06 13:08:00] [info] Error Reporting: Enabled

[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Type of Errors | Count
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] DB_WARN -> 1
[2025-09-06 13:08:00] [info] LRF_ERROR01 -> 14
[2025-09-06 13:08:00] [info] DB_WARN002 -> 59
[2025-09-06 13:08:00] [info] DB_WARN003 -> 56
[2025-09-06 13:08:00] [info] VERI_WARN012 -> 5
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] Summary
[2025-09-06 13:08:00] [info] -----
[2025-09-06 13:08:00] [info] ERC Status: PASSED
[2025-09-06 13:08:00] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:08:00] [info] Short Circuits: None Detected
[2025-09-06 13:08:00] [info] Open Circuits: None Detected
[2025-09-06 13:08:00] [info] Unconnected Pins: 100

```

```
[2025-09-06 13:08:00] [info] Total Errors:      14
[2025-09-06 13:08:00] [info] Total Warnings:    121
[2025-09-06 13:08:00] [info] Critical Issues:   None
```

```

[2025-09-06 13:08:01] [info] =====
[2025-09-06 13:08:01] [info] Electrical Rule Check Summary Report
[2025-09-06 13:08:01] [info] =====

[2025-09-06 13:08:01] [info] Report Generated: 2025-09-06
[2025-09-06 13:08:01] [info] Run Start Time: 01:08:00 PM
[2025-09-06 13:08:01] [info] Run End Time: 01:08:01 PM
[2025-09-06 13:08:01] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 13:08:01] [info] Tool Version: LVR_2025.1
[2025-09-06 13:08:01] [info] Host Name: kuro-Workstation
[2025-09-06 13:08:01] [info] User Name: kuro
[2025-09-06 13:08:01] [info] Cores Used: 4
[2025-09-06 13:08:01] [info] Memory Utilized: 32.48 MB / 62.569705963134766 GB

[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Top Cell Match
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 13:08:01] [info] Schematic Top Cell: gcd3_sky130hd
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Short and Open Checks
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Short Circuits: None Detected
[2025-09-06 13:08:01] [info] Open Circuits: None Detected

[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Performance Metrics
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] | Stage | Time Taken |
[2025-09-06 13:08:01] [info] |-----|-----|
[2025-09-06 13:08:01] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 13:08:01] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 13:08:01] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 13:08:01] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Additional Details
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 13:08:01] [info] Hierarchical Cells: Flattened
[2025-09-06 13:08:01] [info] Database Format: GDSII
[2025-09-06 13:08:01] [info] Verification Mode: Full Check
[2025-09-06 13:08:01] [info] Error Reporting: Enabled

[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Type of Errors | Count
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] DB_WARN -> 1
[2025-09-06 13:08:01] [info] LRF_ERROR01 -> 14
[2025-09-06 13:08:01] [info] DB_WARN002 -> 59
[2025-09-06 13:08:01] [info] DB_WARN003 -> 56
[2025-09-06 13:08:01] [info] VERI_WARN012 -> 6
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] Summary
[2025-09-06 13:08:01] [info] -----
[2025-09-06 13:08:01] [info] ERC Status: PASSED
[2025-09-06 13:08:01] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:08:01] [info] Short Circuits: None Detected
[2025-09-06 13:08:01] [info] Open Circuits: None Detected
[2025-09-06 13:08:01] [info] Unconnected Pins: 100

```

```
[2025-09-06 13:08:01] [info] Total Errors:      14
[2025-09-06 13:08:01] [info] Total Warnings:    122
[2025-09-06 13:08:01] [info] Critical Issues:   None
```

```

[2025-09-06 13:19:06] [info] =====
[2025-09-06 13:19:06] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:19:06] [info] =====

[2025-09-06 13:19:06] [info] Report Generated:    2025-09-06
[2025-09-06 13:19:06] [info] Run Start Time:      01:17:08 PM
[2025-09-06 13:19:06] [info] Run End Time:        01:19:06 PM
[2025-09-06 13:19:06] [info] Time Taken:          2 minutes 4 seconds

[2025-09-06 13:19:06] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:19:06] [info] Host Name:           kuro-Workstation
[2025-09-06 13:19:06] [info] User Name:           kuro
[2025-09-06 13:19:06] [info] Cores Used:          4
[2025-09-06 13:19:06] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Top Cell Match
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 13:19:06] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Short and Open Checks
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info] Short Circuits:      None Detected
[2025-09-06 13:19:06] [info] Open Circuits:       None Detected

[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Performance Metrics
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info] | Stage                  | Time Taken |
[2025-09-06 13:19:06] [info] |-----|-----|
[2025-09-06 13:19:06] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:19:06] [info] | Connectivity Extraction  | 1 minutes 56 seconds |
[2025-09-06 13:19:06] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:19:06] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Additional Details
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:19:06] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:19:06] [info] Database Format:       GDSII
[2025-09-06 13:19:06] [info] Verification Mode:    Full Check
[2025-09-06 13:19:06] [info] Error Reporting:      Enabled

[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Type of Errors | Count
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info] DB_WARN -> 1
[2025-09-06 13:19:06] [info] LRF_ERR001 -> 14
[2025-09-06 13:19:06] [info] DB_WARN002 -> 251
[2025-09-06 13:19:06] [info] DB_WARN003 -> 251
[2025-09-06 13:19:06] [info] VERI_WARN012 -> 34
[2025-09-06 13:19:06] [info] ERC_ERR019 -> 38
[2025-09-06 13:19:06] [info] ERC_ERR001 -> 4
[2025-09-06 13:19:06] [info] LVS_ERR003 -> 13
[2025-09-06 13:19:06] [info] ERC_ERR003 -> 13
[2025-09-06 13:19:06] [info] ERC_ERR005 -> 11
[2025-09-06 13:19:06] [info] LVS_ERR030 -> 1
[2025-09-06 13:19:06] [info] -----
[2025-09-06 13:19:06] [info]           Summary

```

```
[2025-09-06 13:19:06] [info] -----  
[2025-09-06 13:19:06] [info] ERC Status:          PASSED  
[2025-09-06 13:19:06] [info] Instance Match Percentage: 99.95%  
[2025-09-06 13:19:06] [info] Short Circuits:      None Detected  
[2025-09-06 13:19:06] [info] Open Circuits:       None Detected  
[2025-09-06 13:19:06] [info] Unconnected Pins:    138  
[2025-09-06 13:19:06] [info] Total Errors:        94  
[2025-09-06 13:19:06] [info] Total Warnings:      537  
[2025-09-06 13:19:06] [info] Critical Issues:     None
```

```

[2025-09-06 13:21:16] [info] =====
[2025-09-06 13:21:16] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:21:16] [info] =====

[2025-09-06 13:21:16] [info] Report Generated:    2025-09-06
[2025-09-06 13:21:16] [info] Run Start Time:      01:19:14 PM
[2025-09-06 13:21:16] [info] Run End Time:        01:21:16 PM
[2025-09-06 13:21:16] [info] Time Taken:          2 minutes 8 seconds

[2025-09-06 13:21:16] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:21:16] [info] Host Name:           kuro-Workstation
[2025-09-06 13:21:16] [info] User Name:           kuro
[2025-09-06 13:21:16] [info] Cores Used:          4
[2025-09-06 13:21:16] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Top Cell Match
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 13:21:16] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Short and Open Checks
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] Short Circuits:      None Detected
[2025-09-06 13:21:16] [info] Open Circuits:       None Detected

[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Performance Metrics
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] | Stage                  | Time Taken |
[2025-09-06 13:21:16] [info] |-----|-----|
[2025-09-06 13:21:16] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-09-06 13:21:16] [info] | Connectivity Extraction | 1 minutes 59 seconds |
[2025-09-06 13:21:16] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-09-06 13:21:16] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Additional Details
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:21:16] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:21:16] [info] Database Format:       GDSII
[2025-09-06 13:21:16] [info] Verification Mode:    Full Check
[2025-09-06 13:21:16] [info] Error Reporting:      Enabled

[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Type of Errors | Count
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] DB_WARN -> 1
[2025-09-06 13:21:16] [info] LRF_ERR001 -> 14
[2025-09-06 13:21:16] [info] DB_WARN002 -> 249
[2025-09-06 13:21:16] [info] DB_WARN003 -> 249
[2025-09-06 13:21:16] [info] VERI_WARN012 -> 31
[2025-09-06 13:21:16] [info] ERC_ERR019 -> 32
[2025-09-06 13:21:16] [info] ERC_ERR001 -> 4
[2025-09-06 13:21:16] [info] LVS_ERR003 -> 11
[2025-09-06 13:21:16] [info] ERC_ERR003 -> 11
[2025-09-06 13:21:16] [info] ERC_ERR005 -> 12
[2025-09-06 13:21:16] [info] LVS_ERR030 -> 1
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info]           Summary

```

```
[2025-09-06 13:21:16] [info] -----
[2025-09-06 13:21:16] [info] ERC Status:          PASSED
[2025-09-06 13:21:16] [info] Instance Match Percentage: 99.94%
[2025-09-06 13:21:16] [info] Short Circuits:      None Detected
[2025-09-06 13:21:16] [info] Open Circuits:       None Detected
[2025-09-06 13:21:16] [info] Unconnected Pins:    132
[2025-09-06 13:21:16] [info] Total Errors:        85
[2025-09-06 13:21:16] [info] Total Warnings:      530
[2025-09-06 13:21:16] [info] Critical Issues:     None
```

```

[2025-09-06 13:23:20] [info] =====
[2025-09-06 13:23:20] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:23:20] [info] =====

[2025-09-06 13:23:20] [info] Report Generated:    2025-09-06
[2025-09-06 13:23:20] [info] Run Start Time:      01:21:24 PM
[2025-09-06 13:23:20] [info] Run End Time:        01:23:20 PM
[2025-09-06 13:23:20] [info] Time Taken:          2 minutes 1 seconds

[2025-09-06 13:23:20] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:23:20] [info] Host Name:           kuro-Workstation
[2025-09-06 13:23:20] [info] User Name:           kuro
[2025-09-06 13:23:20] [info] Cores Used:          4
[2025-09-06 13:23:20] [info] Memory Utilized:     2577.80 MB / 62.569705963134766 GB

[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Top Cell Match
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 13:23:20] [info] Schematic Top Cell:  ibex_core3_sky130hd
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Short and Open Checks
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info] Short Circuits:      None Detected
[2025-09-06 13:23:20] [info] Open Circuits:       None Detected

[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Performance Metrics
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info] | Stage                  | Time Taken |
[2025-09-06 13:23:20] [info] |-----|-----|
[2025-09-06 13:23:20] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:23:20] [info] | Connectivity Extraction  | 1 minutes 53 seconds |
[2025-09-06 13:23:20] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:23:20] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Additional Details
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:23:20] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:23:20] [info] Database Format:       GDSII
[2025-09-06 13:23:20] [info] Verification Mode:    Full Check
[2025-09-06 13:23:20] [info] Error Reporting:      Enabled

[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Type of Errors | Count
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info] DB_WARN -> 1
[2025-09-06 13:23:20] [info] LRF_ERR001 -> 14
[2025-09-06 13:23:20] [info] DB_WARN002 -> 253
[2025-09-06 13:23:20] [info] DB_WARN003 -> 251
[2025-09-06 13:23:20] [info] VERI_WARN012 -> 53
[2025-09-06 13:23:20] [info] ERC_ERR019 -> 31
[2025-09-06 13:23:20] [info] LVS_ERR003 -> 11
[2025-09-06 13:23:20] [info] ERC_ERR003 -> 11
[2025-09-06 13:23:20] [info] ERC_ERR001 -> 2
[2025-09-06 13:23:20] [info] ERC_ERR005 -> 9
[2025-09-06 13:23:20] [info] LVS_ERR030 -> 1
[2025-09-06 13:23:20] [info] -----
[2025-09-06 13:23:20] [info]           Summary

```

```
[2025-09-06 13:23:20] [info] -----  
[2025-09-06 13:23:20] [info] ERC Status:          PASSED  
[2025-09-06 13:23:20] [info] Instance Match Percentage: 99.95%  
[2025-09-06 13:23:20] [info] Short Circuits:      None Detected  
[2025-09-06 13:23:20] [info] Open Circuits:       None Detected  
[2025-09-06 13:23:20] [info] Unconnected Pins:    131  
[2025-09-06 13:23:20] [info] Total Errors:        79  
[2025-09-06 13:23:20] [info] Total Warnings:      558  
[2025-09-06 13:23:20] [info] Critical Issues:     None
```

```

[2025-09-06 13:32:40] [info] =====
[2025-09-06 13:32:40] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:32:40] [info] =====

[2025-09-06 13:32:40] [info] Report Generated:    2025-09-06
[2025-09-06 13:32:40] [info] Run Start Time:      01:23:39 PM
[2025-09-06 13:32:40] [info] Run End Time:        01:32:40 PM
[2025-09-06 13:32:40] [info] Time Taken:          9 minutes 18 seconds

[2025-09-06 13:32:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:32:40] [info] Host Name:           kuro-Workstation
[2025-09-06 13:32:40] [info] User Name:           kuro
[2025-09-06 13:32:40] [info] Cores Used:          4
[2025-09-06 13:32:40] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Top Cell Match
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 13:32:40] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Short and Open Checks
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info] Short Circuits:      None Detected
[2025-09-06 13:32:40] [info] Open Circuits:       None Detected

[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Performance Metrics
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info] | Stage                  | Time Taken |
[2025-09-06 13:32:40] [info] |-----|-----|
[2025-09-06 13:32:40] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:32:40] [info] | Connectivity Extraction  | 8 minutes 55 seconds |
[2025-09-06 13:32:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:32:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Additional Details
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:32:40] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:32:40] [info] Database Format:       GDSII
[2025-09-06 13:32:40] [info] Verification Mode:    Full Check
[2025-09-06 13:32:40] [info] Error Reporting:      Enabled

[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Type of Errors | Count
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info] DB_WARN -> 1
[2025-09-06 13:32:40] [info] LRF_ERR001 -> 14
[2025-09-06 13:32:40] [info] DB_WARN002 -> 159
[2025-09-06 13:32:40] [info] DB_WARN003 -> 161
[2025-09-06 13:32:40] [info] VERI_WARN012 -> 113
[2025-09-06 13:32:40] [info] ERC_ERR019 -> 511
[2025-09-06 13:32:40] [info] LVS_ERR003 -> 499
[2025-09-06 13:32:40] [info] ERC_ERR003 -> 499
[2025-09-06 13:32:40] [info] ERC_ERR005 -> 113
[2025-09-06 13:32:40] [info] LVS_ERR030 -> 1
[2025-09-06 13:32:40] [info] -----
[2025-09-06 13:32:40] [info]           Summary
[2025-09-06 13:32:40] [info] -----

```

```
[2025-09-06 13:32:40] [info] ERC Status:          PASSED
[2025-09-06 13:32:40] [info] Instance Match Percentage: 99.75%
[2025-09-06 13:32:40] [info] Short Circuits:      None Detected
[2025-09-06 13:32:40] [info] Open Circuits:       None Detected
[2025-09-06 13:32:40] [info] Unconnected Pins:    611
[2025-09-06 13:32:40] [info] Total Errors:        1637
[2025-09-06 13:32:40] [info] Total Warnings:      434
[2025-09-06 13:32:40] [info] Critical Issues:     None
```

```

[2025-09-06 13:43:52] [info] =====
[2025-09-06 13:43:52] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:43:52] [info] =====

[2025-09-06 13:43:52] [info] Report Generated:    2025-09-06
[2025-09-06 13:43:52] [info] Run Start Time:      01:33:07 PM
[2025-09-06 13:43:52] [info] Run End Time:        01:43:51 PM
[2025-09-06 13:43:52] [info] Time Taken:          11 minutes 5 seconds

[2025-09-06 13:43:52] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:43:52] [info] Host Name:           kuro-Workstation
[2025-09-06 13:43:52] [info] User Name:           kuro
[2025-09-06 13:43:52] [info] Cores Used:          4
[2025-09-06 13:43:52] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Top Cell Match
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 13:43:52] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Short and Open Checks
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info] Short Circuits:      None Detected
[2025-09-06 13:43:52] [info] Open Circuits:       None Detected

[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Performance Metrics
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info] | Stage                  | Time Taken |
[2025-09-06 13:43:52] [info] |-----|-----|
[2025-09-06 13:43:52] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:43:52] [info] | Connectivity Extraction  | 10 minutes 37 seconds |
[2025-09-06 13:43:52] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:43:52] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Additional Details
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:43:52] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:43:52] [info] Database Format:       GDSII
[2025-09-06 13:43:52] [info] Verification Mode:    Full Check
[2025-09-06 13:43:52] [info] Error Reporting:      Enabled

[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Type of Errors | Count
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info] DB_WARN -> 1
[2025-09-06 13:43:52] [info] LRF_ERR001 -> 14
[2025-09-06 13:43:52] [info] DB_WARN002 -> 157
[2025-09-06 13:43:52] [info] DB_WARN003 -> 159
[2025-09-06 13:43:52] [info] VERI_WARN012 -> 113
[2025-09-06 13:43:52] [info] ERC_ERR019 -> 502
[2025-09-06 13:43:52] [info] LVS_ERR003 -> 490
[2025-09-06 13:43:52] [info] ERC_ERR003 -> 490
[2025-09-06 13:43:52] [info] ERC_ERR005 -> 113
[2025-09-06 13:43:52] [info] LVS_ERR030 -> 1
[2025-09-06 13:43:52] [info] -----
[2025-09-06 13:43:52] [info]           Summary
[2025-09-06 13:43:52] [info] -----

```

```
[2025-09-06 13:43:52] [info] ERC Status:          PASSED
[2025-09-06 13:43:52] [info] Instance Match Percentage: 99.75%
[2025-09-06 13:43:52] [info] Short Circuits:          None Detected
[2025-09-06 13:43:52] [info] Open Circuits:          None Detected
[2025-09-06 13:43:52] [info] Unconnected Pins:        602
[2025-09-06 13:43:52] [info] Total Errors:           1610
[2025-09-06 13:43:52] [info] Total Warnings:          430
[2025-09-06 13:43:52] [info] Critical Issues:         None
```

```

[2025-09-06 13:52:12] [info] =====
[2025-09-06 13:52:12] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:52:12] [info] =====

[2025-09-06 13:52:12] [info] Report Generated:    2025-09-06
[2025-09-06 13:52:12] [info] Run Start Time:      01:44:12 PM
[2025-09-06 13:52:12] [info] Run End Time:        01:52:11 PM
[2025-09-06 13:52:12] [info] Time Taken:          8 minutes 13 seconds

[2025-09-06 13:52:12] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:52:12] [info] Host Name:           kuro-Workstation
[2025-09-06 13:52:12] [info] User Name:           kuro
[2025-09-06 13:52:12] [info] Cores Used:          4
[2025-09-06 13:52:12] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Top Cell Match
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 13:52:12] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Short and Open Checks
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info] Short Circuits:      None Detected
[2025-09-06 13:52:12] [info] Open Circuits:       None Detected

[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Performance Metrics
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info] | Stage                  | Time Taken |
[2025-09-06 13:52:12] [info] |-----|-----|
[2025-09-06 13:52:12] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:52:12] [info] | Connectivity Extraction  | 7 minutes 53 seconds |
[2025-09-06 13:52:12] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:52:12] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Additional Details
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 13:52:12] [info] Hierarchical Cells:    Flattened
[2025-09-06 13:52:12] [info] Database Format:        GDSII
[2025-09-06 13:52:12] [info] Verification Mode:     Full Check
[2025-09-06 13:52:12] [info] Error Reporting:       Enabled

[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Type of Errors | Count
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info] DB_WARN -> 1
[2025-09-06 13:52:12] [info] LRF_ERR001 -> 14
[2025-09-06 13:52:12] [info] DB_WARN002 -> 152
[2025-09-06 13:52:12] [info] DB_WARN003 -> 155
[2025-09-06 13:52:12] [info] VERI_WARN012 -> 113
[2025-09-06 13:52:12] [info] ERC_ERR019 -> 450
[2025-09-06 13:52:12] [info] LVS_ERR003 -> 438
[2025-09-06 13:52:12] [info] ERC_ERR003 -> 438
[2025-09-06 13:52:12] [info] ERC_ERR005 -> 113
[2025-09-06 13:52:12] [info] LVS_ERR030 -> 1
[2025-09-06 13:52:12] [info] -----
[2025-09-06 13:52:12] [info]           Summary
[2025-09-06 13:52:12] [info] -----

```

```
[2025-09-06 13:52:12] [info] ERC Status:          PASSED
[2025-09-06 13:52:12] [info] Instance Match Percentage: 99.75%
[2025-09-06 13:52:12] [info] Short Circuits:          None Detected
[2025-09-06 13:52:12] [info] Open Circuits:          None Detected
[2025-09-06 13:52:12] [info] Unconnected Pins:        550
[2025-09-06 13:52:12] [info] Total Errors:            1454
[2025-09-06 13:52:12] [info] Total Warnings:          421
[2025-09-06 13:52:12] [info] Critical Issues:         None
```

```

[2025-09-06 13:54:01] [info] =====
[2025-09-06 13:54:01] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:54:01] [info] =====

[2025-09-06 13:54:01] [info] Report Generated:    2025-09-06
[2025-09-06 13:54:01] [info] Run Start Time:      01:52:24 PM
[2025-09-06 13:54:01] [info] Run End Time:        01:54:00 PM
[2025-09-06 13:54:01] [info] Time Taken:          1 minutes 43 seconds

[2025-09-06 13:54:01] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:54:01] [info] Host Name:           kuro-Workstation
[2025-09-06 13:54:01] [info] User Name:           kuro
[2025-09-06 13:54:01] [info] Cores Used:          8
[2025-09-06 13:54:01] [info] Memory Utilized:     2848.86 MB / 62.569705963134766 GB

[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Top Cell Match
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-09-06 13:54:01] [info] Schematic Top Cell:  aes_cipher_top1_sky130hd
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Short and Open Checks
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info] Short Circuits:      None Detected
[2025-09-06 13:54:01] [info] Open Circuits:       None Detected

[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Performance Metrics
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info] | Stage                  | Time Taken |
[2025-09-06 13:54:01] [info] |-----|-----|
[2025-09-06 13:54:01] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:54:01] [info] | Connectivity Extraction  | 1 minutes 33 seconds |
[2025-09-06 13:54:01] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:54:01] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Additional Details
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:54:01] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:54:01] [info] Database Format:       GDSII
[2025-09-06 13:54:01] [info] Verification Mode:    Full Check
[2025-09-06 13:54:01] [info] Error Reporting:      Enabled

[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Type of Errors | Count
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info] DB_WARN -> 1
[2025-09-06 13:54:01] [info] LRF_ERR001 -> 14
[2025-09-06 13:54:01] [info] DB_WARN002 -> 144
[2025-09-06 13:54:01] [info] DB_WARN003 -> 137
[2025-09-06 13:54:01] [info] VERI_WARN012 -> 41
[2025-09-06 13:54:01] [info] ERC_ERR019 -> 18
[2025-09-06 13:54:01] [info] LVS_ERR003 -> 18
[2025-09-06 13:54:01] [info] ERC_ERR003 -> 18
[2025-09-06 13:54:01] [info] ERC_ERR005 -> 3
[2025-09-06 13:54:01] [info] LVS_ERR030 -> 1
[2025-09-06 13:54:01] [info] -----
[2025-09-06 13:54:01] [info]           Summary
[2025-09-06 13:54:01] [info] -----

```

```
[2025-09-06 13:54:01] [info] ERC Status:          PASSED
[2025-09-06 13:54:01] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:54:01] [info] Short Circuits:          None Detected
[2025-09-06 13:54:01] [info] Open Circuits:          None Detected
[2025-09-06 13:54:01] [info] Unconnected Pins:        118
[2025-09-06 13:54:01] [info] Total Errors:           72
[2025-09-06 13:54:01] [info] Total Warnings:          323
[2025-09-06 13:54:01] [info] Critical Issues:         None
```

```

[2025-09-06 13:56:40] [info] =====
[2025-09-06 13:56:40] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:56:40] [info] =====

[2025-09-06 13:56:40] [info] Report Generated:    2025-09-06
[2025-09-06 13:56:40] [info] Run Start Time:      01:54:11 PM
[2025-09-06 13:56:40] [info] Run End Time:        01:56:40 PM
[2025-09-06 13:56:40] [info] Time Taken:          2 minutes 37 seconds

[2025-09-06 13:56:40] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:56:40] [info] Host Name:           kuro-Workstation
[2025-09-06 13:56:40] [info] User Name:           kuro
[2025-09-06 13:56:40] [info] Cores Used:          8
[2025-09-06 13:56:40] [info] Memory Utilized:     3444.20 MB / 62.569705963134766 GB

[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Top Cell Match
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-09-06 13:56:40] [info] Schematic Top Cell:  aes_cipher_top2_sky130hd
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Short and Open Checks
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info] Short Circuits:      None Detected
[2025-09-06 13:56:40] [info] Open Circuits:       None Detected

[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Performance Metrics
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info] | Stage                  | Time Taken |
[2025-09-06 13:56:40] [info] |-----|-----|
[2025-09-06 13:56:40] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:56:40] [info] | Connectivity Extraction  | 2 minutes 25 seconds |
[2025-09-06 13:56:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:56:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Additional Details
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:56:40] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:56:40] [info] Database Format:       GDSII
[2025-09-06 13:56:40] [info] Verification Mode:    Full Check
[2025-09-06 13:56:40] [info] Error Reporting:      Enabled

[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Type of Errors | Count
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info] DB_WARN -> 1
[2025-09-06 13:56:40] [info] LRF_ERR001 -> 14
[2025-09-06 13:56:40] [info] DB_WARN002 -> 141
[2025-09-06 13:56:40] [info] DB_WARN003 -> 135
[2025-09-06 13:56:40] [info] VERI_WARN012 -> 39
[2025-09-06 13:56:40] [info] ERC_ERR019 -> 12
[2025-09-06 13:56:40] [info] LVS_ERR003 -> 12
[2025-09-06 13:56:40] [info] ERC_ERR003 -> 12
[2025-09-06 13:56:40] [info] ERC_ERR005 -> 3
[2025-09-06 13:56:40] [info] LVS_ERR030 -> 1
[2025-09-06 13:56:40] [info] -----
[2025-09-06 13:56:40] [info]           Summary
[2025-09-06 13:56:40] [info] -----

```

```
[2025-09-06 13:56:40] [info] ERC Status:          PASSED
[2025-09-06 13:56:40] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:56:40] [info] Short Circuits:          None Detected
[2025-09-06 13:56:40] [info] Open Circuits:          None Detected
[2025-09-06 13:56:40] [info] Unconnected Pins:        112
[2025-09-06 13:56:40] [info] Total Errors:           54
[2025-09-06 13:56:40] [info] Total Warnings:          316
[2025-09-06 13:56:40] [info] Critical Issues:         None
```

```

[2025-09-06 13:58:15] [info] =====
[2025-09-06 13:58:15] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:58:15] [info] =====

[2025-09-06 13:58:15] [info] Report Generated:    2025-09-06
[2025-09-06 13:58:15] [info] Run Start Time:      01:56:48 PM
[2025-09-06 13:58:15] [info] Run End Time:        01:58:15 PM
[2025-09-06 13:58:15] [info] Time Taken:          1 minutes 32 seconds

[2025-09-06 13:58:15] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:58:15] [info] Host Name:           kuro-Workstation
[2025-09-06 13:58:15] [info] User Name:           kuro
[2025-09-06 13:58:15] [info] Cores Used:          8
[2025-09-06 13:58:15] [info] Memory Utilized:     2343.92 MB / 62.569705963134766 GB

[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Top Cell Match
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-09-06 13:58:15] [info] Schematic Top Cell:  aes_cipher_top3_sky130hd
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Short and Open Checks
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info] Short Circuits:      None Detected
[2025-09-06 13:58:15] [info] Open Circuits:       None Detected

[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Performance Metrics
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info] | Stage                  | Time Taken |
[2025-09-06 13:58:15] [info] |-----|-----|
[2025-09-06 13:58:15] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:58:15] [info] | Connectivity Extraction  | 1 minutes 24 seconds |
[2025-09-06 13:58:15] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:58:15] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Additional Details
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 13:58:15] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:58:15] [info] Database Format:       GDSII
[2025-09-06 13:58:15] [info] Verification Mode:    Full Check
[2025-09-06 13:58:15] [info] Error Reporting:      Enabled

[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Type of Errors | Count
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info] DB_WARN -> 1
[2025-09-06 13:58:15] [info] LRF_ERR001 -> 14
[2025-09-06 13:58:15] [info] DB_WARN002 -> 138
[2025-09-06 13:58:15] [info] DB_WARN003 -> 132
[2025-09-06 13:58:15] [info] VERI_WARN012 -> 36
[2025-09-06 13:58:15] [info] ERC_ERR019 -> 12
[2025-09-06 13:58:15] [info] LVS_ERR003 -> 12
[2025-09-06 13:58:15] [info] ERC_ERR003 -> 12
[2025-09-06 13:58:15] [info] ERC_ERR005 -> 3
[2025-09-06 13:58:15] [info] LVS_ERR030 -> 1
[2025-09-06 13:58:15] [info] -----
[2025-09-06 13:58:15] [info]           Summary
[2025-09-06 13:58:15] [info] -----

```

```
[2025-09-06 13:58:15] [info] ERC Status:          PASSED
[2025-09-06 13:58:15] [info] Instance Match Percentage: 99.99%
[2025-09-06 13:58:15] [info] Short Circuits:          None Detected
[2025-09-06 13:58:15] [info] Open Circuits:          None Detected
[2025-09-06 13:58:15] [info] Unconnected Pins:        112
[2025-09-06 13:58:15] [info] Total Errors:           54
[2025-09-06 13:58:15] [info] Total Warnings:          307
[2025-09-06 13:58:15] [info] Critical Issues:         None
```

```

[2025-09-06 13:52:17] [info] =====
[2025-09-06 13:52:17] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:52:17] [info] =====

[2025-09-06 13:52:17] [info] Report Generated:    2025-09-06
[2025-09-06 13:52:17] [info] Run Start Time:      01:52:16 PM
[2025-09-06 13:52:17] [info] Run End Time:        01:52:17 PM
[2025-09-06 13:52:17] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 13:52:17] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:52:17] [info] Host Name:           kuro-Workstation
[2025-09-06 13:52:17] [info] User Name:           kuro
[2025-09-06 13:52:17] [info] Cores Used:          8
[2025-09-06 13:52:17] [info] Memory Utilized:     38.46 MB / 62.569705963134766 GB

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Top Cell Match
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Layout Top Cell:     gcd1_sky130hd
[2025-09-06 13:52:17] [info] Schematic Top Cell:  gcd1_sky130hd
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Short and Open Checks
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Short Circuits:      None Detected
[2025-09-06 13:52:17] [info] Open Circuits:       None Detected

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Performance Metrics
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] | Stage                  | Time Taken |
[2025-09-06 13:52:17] [info] |-----|-----|
[2025-09-06 13:52:17] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Additional Details
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:52:17] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:52:17] [info] Database Format:       GDSII
[2025-09-06 13:52:17] [info] Verification Mode:    Full Check
[2025-09-06 13:52:17] [info] Error Reporting:      Enabled

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Type of Errors | Count
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] DB_WARN -> 1
[2025-09-06 13:52:17] [info] LRF_ERROR01 -> 14
[2025-09-06 13:52:17] [info] DB_WARN002 -> 58
[2025-09-06 13:52:17] [info] DB_WARN003 -> 55
[2025-09-06 13:52:17] [info] VERI_WARN012 -> 4
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Summary
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] ERC Status:           PASSED
[2025-09-06 13:52:17] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:52:17] [info] Short Circuits:       None Detected
[2025-09-06 13:52:17] [info] Open Circuits:        None Detected
[2025-09-06 13:52:17] [info] Unconnected Pins:     100

```

```
[2025-09-06 13:52:17] [info] Total Errors:      14
[2025-09-06 13:52:17] [info] Total Warnings:    118
[2025-09-06 13:52:17] [info] Critical Issues:   None
```

```

[2025-09-06 13:52:17] [info] =====
[2025-09-06 13:52:17] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:52:17] [info] =====

[2025-09-06 13:52:17] [info] Report Generated:    2025-09-06
[2025-09-06 13:52:17] [info] Run Start Time:      01:52:17 PM
[2025-09-06 13:52:17] [info] Run End Time:        01:52:17 PM
[2025-09-06 13:52:17] [info] Time Taken:          0 minutes 0 seconds

[2025-09-06 13:52:17] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:52:17] [info] Host Name:           kuro-Workstation
[2025-09-06 13:52:17] [info] User Name:           kuro
[2025-09-06 13:52:17] [info] Cores Used:           8
[2025-09-06 13:52:17] [info] Memory Utilized:     43.01 MB / 62.569705963134766 GB

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Top Cell Match
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Layout Top Cell:     gcd2_sky130hd
[2025-09-06 13:52:17] [info] Schematic Top Cell:  gcd2_sky130hd
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Short and Open Checks
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Short Circuits:      None Detected
[2025-09-06 13:52:17] [info] Open Circuits:       None Detected

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Performance Metrics
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] | Stage                  | Time Taken |
[2025-09-06 13:52:17] [info] |-----|-----|
[2025-09-06 13:52:17] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Connectivity Extraction  | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Additional Details
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 13:52:17] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:52:17] [info] Database Format:       GDSII
[2025-09-06 13:52:17] [info] Verification Mode:    Full Check
[2025-09-06 13:52:17] [info] Error Reporting:      Enabled

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Type of Errors | Count
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] DB_WARN -> 1
[2025-09-06 13:52:17] [info] LRF_ERROR01 -> 14
[2025-09-06 13:52:17] [info] DB_WARN002 -> 59
[2025-09-06 13:52:17] [info] DB_WARN003 -> 56
[2025-09-06 13:52:17] [info] VERI_WARN012 -> 5
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info]           Summary
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] ERC Status:           PASSED
[2025-09-06 13:52:17] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:52:17] [info] Short Circuits:       None Detected
[2025-09-06 13:52:17] [info] Open Circuits:        None Detected
[2025-09-06 13:52:17] [info] Unconnected Pins:     100

```

```
[2025-09-06 13:52:17] [info] Total Errors:      14
[2025-09-06 13:52:17] [info] Total Warnings:    121
[2025-09-06 13:52:17] [info] Critical Issues:  None
```

```

[2025-09-06 13:52:17] [info] =====
[2025-09-06 13:52:17] [info] Electrical Rule Check Summary Report
[2025-09-06 13:52:17] [info] =====

[2025-09-06 13:52:17] [info] Report Generated: 2025-09-06
[2025-09-06 13:52:17] [info] Run Start Time: 01:52:17 PM
[2025-09-06 13:52:17] [info] Run End Time: 01:52:17 PM
[2025-09-06 13:52:17] [info] Time Taken: 0 minutes 0 seconds

[2025-09-06 13:52:17] [info] Tool Version: LVR_2025.1
[2025-09-06 13:52:17] [info] Host Name: kuro-Workstation
[2025-09-06 13:52:17] [info] User Name: kuro
[2025-09-06 13:52:17] [info] Cores Used: 8
[2025-09-06 13:52:17] [info] Memory Utilized: 32.48 MB / 62.569705963134766 GB

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Top Cell Match
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Layout Top Cell: gcd3_sky130hd
[2025-09-06 13:52:17] [info] Schematic Top Cell: gcd3_sky130hd
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Short and Open Checks
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Short Circuits: None Detected
[2025-09-06 13:52:17] [info] Open Circuits: None Detected

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Performance Metrics
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] | Stage | Time Taken |
[2025-09-06 13:52:17] [info] |-----|-----|
[2025-09-06 13:52:17] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Connectivity Extraction | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Device Matching | 0 minutes 0 seconds |
[2025-09-06 13:52:17] [info] | Report Generation | 0 minutes 0 seconds |

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Additional Details
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Technology Node: SKY130HD (130nm)
[2025-09-06 13:52:17] [info] Hierarchical Cells: Flattened
[2025-09-06 13:52:17] [info] Database Format: GDSII
[2025-09-06 13:52:17] [info] Verification Mode: Full Check
[2025-09-06 13:52:17] [info] Error Reporting: Enabled

[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Type of Errors | Count
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] DB_WARN -> 1
[2025-09-06 13:52:17] [info] LRF_ERROR01 -> 14
[2025-09-06 13:52:17] [info] DB_WARN002 -> 59
[2025-09-06 13:52:17] [info] DB_WARN003 -> 56
[2025-09-06 13:52:17] [info] VERI_WARN012 -> 6
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] Summary
[2025-09-06 13:52:17] [info] -----
[2025-09-06 13:52:17] [info] ERC Status: PASSED
[2025-09-06 13:52:17] [info] Instance Match Percentage: 100.00%
[2025-09-06 13:52:17] [info] Short Circuits: None Detected
[2025-09-06 13:52:17] [info] Open Circuits: None Detected
[2025-09-06 13:52:17] [info] Unconnected Pins: 100

```

```
[2025-09-06 13:52:17] [info] Total Errors:      14
[2025-09-06 13:52:17] [info] Total Warnings:    122
[2025-09-06 13:52:17] [info] Critical Issues:   None
```

```

[2025-09-06 13:59:41] [info] =====
[2025-09-06 13:59:41] [info]           Electrical Rule Check Summary Report
[2025-09-06 13:59:41] [info] =====

[2025-09-06 13:59:41] [info] Report Generated:    2025-09-06
[2025-09-06 13:59:41] [info] Run Start Time:      01:58:23 PM
[2025-09-06 13:59:41] [info] Run End Time:        01:59:40 PM
[2025-09-06 13:59:41] [info] Time Taken:          1 minutes 23 seconds

[2025-09-06 13:59:41] [info] Tool Version:        LVR_2025.1
[2025-09-06 13:59:41] [info] Host Name:           kuro-Workstation
[2025-09-06 13:59:41] [info] User Name:           kuro
[2025-09-06 13:59:41] [info] Cores Used:          8
[2025-09-06 13:59:41] [info] Memory Utilized:     2607.32 MB / 62.569705963134766 GB

[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Top Cell Match
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-09-06 13:59:41] [info] Schematic Top Cell:  ibex_core1_sky130hd
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Short and Open Checks
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info] Short Circuits:      None Detected
[2025-09-06 13:59:41] [info] Open Circuits:       None Detected

[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Performance Metrics
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info] | Stage                  | Time Taken |
[2025-09-06 13:59:41] [info] |-----|-----|
[2025-09-06 13:59:41] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 13:59:41] [info] | Connectivity Extraction  | 1 minutes 14 seconds |
[2025-09-06 13:59:41] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 13:59:41] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Additional Details
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info] Technology Node:       SKY130HD (130nm)
[2025-09-06 13:59:41] [info] Hierarchical Cells:   Flattened
[2025-09-06 13:59:41] [info] Database Format:       GDSII
[2025-09-06 13:59:41] [info] Verification Mode:    Full Check
[2025-09-06 13:59:41] [info] Error Reporting:      Enabled

[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Type of Errors | Count
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info] DB_WARN -> 1
[2025-09-06 13:59:41] [info] LRF_ERR001 -> 14
[2025-09-06 13:59:41] [info] DB_WARN002 -> 251
[2025-09-06 13:59:41] [info] DB_WARN003 -> 251
[2025-09-06 13:59:41] [info] VERI_WARN012 -> 34
[2025-09-06 13:59:41] [info] ERC_ERR019 -> 38
[2025-09-06 13:59:41] [info] ERC_ERR001 -> 4
[2025-09-06 13:59:41] [info] LVS_ERR003 -> 13
[2025-09-06 13:59:41] [info] ERC_ERR003 -> 13
[2025-09-06 13:59:41] [info] ERC_ERR005 -> 11
[2025-09-06 13:59:41] [info] LVS_ERR030 -> 1
[2025-09-06 13:59:41] [info] -----
[2025-09-06 13:59:41] [info]           Summary

```

```
[2025-09-06 13:59:41] [info] -----  
[2025-09-06 13:59:41] [info] ERC Status:          PASSED  
[2025-09-06 13:59:41] [info] Instance Match Percentage: 99.95%  
[2025-09-06 13:59:41] [info] Short Circuits:      None Detected  
[2025-09-06 13:59:41] [info] Open Circuits:       None Detected  
[2025-09-06 13:59:41] [info] Unconnected Pins:    138  
[2025-09-06 13:59:41] [info] Total Errors:        94  
[2025-09-06 13:59:41] [info] Total Warnings:      537  
[2025-09-06 13:59:41] [info] Critical Issues:     None
```

```

[2025-09-06 14:01:08] [info] =====
[2025-09-06 14:01:08] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:01:08] [info] =====

[2025-09-06 14:01:08] [info] Report Generated:    2025-09-06
[2025-09-06 14:01:08] [info] Run Start Time:      01:59:49 PM
[2025-09-06 14:01:08] [info] Run End Time:        02:01:08 PM
[2025-09-06 14:01:08] [info] Time Taken:          1 minutes 25 seconds

[2025-09-06 14:01:08] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:01:08] [info] Host Name:           kuro-Workstation
[2025-09-06 14:01:08] [info] User Name:           kuro
[2025-09-06 14:01:08] [info] Cores Used:          8
[2025-09-06 14:01:08] [info] Memory Utilized:     2652.30 MB / 62.569705963134766 GB

[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Top Cell Match
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-09-06 14:01:08] [info] Schematic Top Cell:  ibex_core2_sky130hd
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Short and Open Checks
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info] Short Circuits:      None Detected
[2025-09-06 14:01:08] [info] Open Circuits:       None Detected

[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Performance Metrics
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info] | Stage                  | Time Taken |
[2025-09-06 14:01:08] [info] |-----|-----|
[2025-09-06 14:01:08] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:01:08] [info] | Connectivity Extraction  | 1 minutes 16 seconds |
[2025-09-06 14:01:08] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:01:08] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Additional Details
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:01:08] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:01:08] [info] Database Format:       GDSII
[2025-09-06 14:01:08] [info] Verification Mode:    Full Check
[2025-09-06 14:01:08] [info] Error Reporting:      Enabled

[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Type of Errors | Count
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info] DB_WARN -> 1
[2025-09-06 14:01:08] [info] LRF_ERR001 -> 14
[2025-09-06 14:01:08] [info] DB_WARN002 -> 249
[2025-09-06 14:01:08] [info] DB_WARN003 -> 249
[2025-09-06 14:01:08] [info] VERI_WARN012 -> 31
[2025-09-06 14:01:08] [info] ERC_ERR019 -> 32
[2025-09-06 14:01:08] [info] ERC_ERR001 -> 4
[2025-09-06 14:01:08] [info] LVS_ERR003 -> 11
[2025-09-06 14:01:08] [info] ERC_ERR003 -> 11
[2025-09-06 14:01:08] [info] ERC_ERR005 -> 12
[2025-09-06 14:01:08] [info] LVS_ERR030 -> 1
[2025-09-06 14:01:08] [info] -----
[2025-09-06 14:01:08] [info]           Summary

```

```
[2025-09-06 14:01:08] [info] -----  
[2025-09-06 14:01:08] [info] ERC Status:          PASSED  
[2025-09-06 14:01:08] [info] Instance Match Percentage: 99.94%  
[2025-09-06 14:01:08] [info] Short Circuits:      None Detected  
[2025-09-06 14:01:08] [info] Open Circuits:       None Detected  
[2025-09-06 14:01:08] [info] Unconnected Pins:    132  
[2025-09-06 14:01:08] [info] Total Errors:        85  
[2025-09-06 14:01:08] [info] Total Warnings:      530  
[2025-09-06 14:01:08] [info] Critical Issues:     None
```

```

[2025-09-06 14:02:32] [info] =====
[2025-09-06 14:02:32] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:02:32] [info] =====

[2025-09-06 14:02:32] [info] Report Generated:    2025-09-06
[2025-09-06 14:02:32] [info] Run Start Time:      02:01:16 PM
[2025-09-06 14:02:32] [info] Run End Time:        02:02:32 PM
[2025-09-06 14:02:32] [info] Time Taken:          1 minutes 22 seconds

[2025-09-06 14:02:32] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:02:32] [info] Host Name:           kuro-Workstation
[2025-09-06 14:02:32] [info] User Name:           kuro
[2025-09-06 14:02:32] [info] Cores Used:          8
[2025-09-06 14:02:32] [info] Memory Utilized:     2577.80 MB / 62.569705963134766 GB

[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Top Cell Match
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-09-06 14:02:32] [info] Schematic Top Cell:  ibex_core3_sky130hd
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Short and Open Checks
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info] Short Circuits:      None Detected
[2025-09-06 14:02:32] [info] Open Circuits:       None Detected

[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Performance Metrics
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info] | Stage                  | Time Taken |
[2025-09-06 14:02:32] [info] |-----|-----|
[2025-09-06 14:02:32] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:02:32] [info] | Connectivity Extraction  | 1 minutes 14 seconds |
[2025-09-06 14:02:32] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:02:32] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Additional Details
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:02:32] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:02:32] [info] Database Format:       GDSII
[2025-09-06 14:02:32] [info] Verification Mode:    Full Check
[2025-09-06 14:02:32] [info] Error Reporting:      Enabled

[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Type of Errors | Count
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info] DB_WARN -> 1
[2025-09-06 14:02:32] [info] LRF_ERR001 -> 14
[2025-09-06 14:02:32] [info] DB_WARN002 -> 253
[2025-09-06 14:02:32] [info] DB_WARN003 -> 251
[2025-09-06 14:02:32] [info] VERI_WARN012 -> 53
[2025-09-06 14:02:32] [info] ERC_ERR019 -> 31
[2025-09-06 14:02:32] [info] LVS_ERR003 -> 11
[2025-09-06 14:02:32] [info] ERC_ERR003 -> 11
[2025-09-06 14:02:32] [info] ERC_ERR001 -> 2
[2025-09-06 14:02:32] [info] ERC_ERR005 -> 9
[2025-09-06 14:02:32] [info] LVS_ERR030 -> 1
[2025-09-06 14:02:32] [info] -----
[2025-09-06 14:02:32] [info]           Summary

```

```
[2025-09-06 14:02:32] [info] -----  
[2025-09-06 14:02:32] [info] ERC Status:          PASSED  
[2025-09-06 14:02:32] [info] Instance Match Percentage: 99.95%  
[2025-09-06 14:02:32] [info] Short Circuits:      None Detected  
[2025-09-06 14:02:32] [info] Open Circuits:       None Detected  
[2025-09-06 14:02:32] [info] Unconnected Pins:    131  
[2025-09-06 14:02:32] [info] Total Errors:        79  
[2025-09-06 14:02:32] [info] Total Warnings:      558  
[2025-09-06 14:02:32] [info] Critical Issues:     None
```

```

[2025-09-06 14:08:44] [info] =====
[2025-09-06 14:08:44] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:08:44] [info] =====

[2025-09-06 14:08:44] [info] Report Generated:    2025-09-06
[2025-09-06 14:08:44] [info] Run Start Time:      02:02:51 PM
[2025-09-06 14:08:44] [info] Run End Time:        02:08:43 PM
[2025-09-06 14:08:44] [info] Time Taken:          6 minutes 9 seconds

[2025-09-06 14:08:44] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:08:44] [info] Host Name:           kuro-Workstation
[2025-09-06 14:08:44] [info] User Name:           kuro
[2025-09-06 14:08:44] [info] Cores Used:          8
[2025-09-06 14:08:44] [info] Memory Utilized:     6934.95 MB / 62.569705963134766 GB

[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Top Cell Match
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-09-06 14:08:44] [info] Schematic Top Cell:  jpeg_encoder1_sky130hd
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Short and Open Checks
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info] Short Circuits:      None Detected
[2025-09-06 14:08:44] [info] Open Circuits:       None Detected

[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Performance Metrics
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info] | Stage                  | Time Taken |
[2025-09-06 14:08:44] [info] |-----|-----|
[2025-09-06 14:08:44] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:08:44] [info] | Connectivity Extraction  | 5 minutes 46 seconds |
[2025-09-06 14:08:44] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:08:44] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Additional Details
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:08:44] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:08:44] [info] Database Format:       GDSII
[2025-09-06 14:08:44] [info] Verification Mode:    Full Check
[2025-09-06 14:08:44] [info] Error Reporting:      Enabled

[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Type of Errors | Count
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info] DB_WARN -> 1
[2025-09-06 14:08:44] [info] LRF_ERR001 -> 14
[2025-09-06 14:08:44] [info] DB_WARN002 -> 159
[2025-09-06 14:08:44] [info] DB_WARN003 -> 161
[2025-09-06 14:08:44] [info] VERI_WARN012 -> 113
[2025-09-06 14:08:44] [info] ERC_ERR019 -> 511
[2025-09-06 14:08:44] [info] LVS_ERR003 -> 499
[2025-09-06 14:08:44] [info] ERC_ERR003 -> 499
[2025-09-06 14:08:44] [info] ERC_ERR005 -> 113
[2025-09-06 14:08:44] [info] LVS_ERR030 -> 1
[2025-09-06 14:08:44] [info] -----
[2025-09-06 14:08:44] [info]           Summary
[2025-09-06 14:08:44] [info] -----

```

```
[2025-09-06 14:08:44] [info] ERC Status:          PASSED
[2025-09-06 14:08:44] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:08:44] [info] Short Circuits:          None Detected
[2025-09-06 14:08:44] [info] Open Circuits:          None Detected
[2025-09-06 14:08:44] [info] Unconnected Pins:        611
[2025-09-06 14:08:44] [info] Total Errors:           1637
[2025-09-06 14:08:44] [info] Total Warnings:          434
[2025-09-06 14:08:44] [info] Critical Issues:         None
```

```

[2025-09-06 14:15:58] [info] =====
[2025-09-06 14:15:58] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:15:58] [info] =====

[2025-09-06 14:15:58] [info] Report Generated:    2025-09-06
[2025-09-06 14:15:58] [info] Run Start Time:      02:09:10 PM
[2025-09-06 14:15:58] [info] Run End Time:        02:15:58 PM
[2025-09-06 14:15:58] [info] Time Taken:          7 minutes 9 seconds

[2025-09-06 14:15:58] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:15:58] [info] Host Name:           kuro-Workstation
[2025-09-06 14:15:58] [info] User Name:           kuro
[2025-09-06 14:15:58] [info] Cores Used:          8
[2025-09-06 14:15:58] [info] Memory Utilized:     8499.99 MB / 62.569705963134766 GB

[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Top Cell Match
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-09-06 14:15:58] [info] Schematic Top Cell:  jpeg_encoder2_sky130hd
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Short and Open Checks
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info] Short Circuits:      None Detected
[2025-09-06 14:15:58] [info] Open Circuits:       None Detected

[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Performance Metrics
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info] | Stage                  | Time Taken |
[2025-09-06 14:15:58] [info] |-----|-----|
[2025-09-06 14:15:58] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:15:58] [info] | Connectivity Extraction  | 6 minutes 41 seconds |
[2025-09-06 14:15:58] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:15:58] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Additional Details
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:15:58] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:15:58] [info] Database Format:       GDSII
[2025-09-06 14:15:58] [info] Verification Mode:    Full Check
[2025-09-06 14:15:58] [info] Error Reporting:      Enabled

[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Type of Errors | Count
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info] DB_WARN -> 1
[2025-09-06 14:15:58] [info] LRF_ERR001 -> 14
[2025-09-06 14:15:58] [info] DB_WARN002 -> 157
[2025-09-06 14:15:58] [info] DB_WARN003 -> 159
[2025-09-06 14:15:58] [info] VERI_WARN012 -> 113
[2025-09-06 14:15:58] [info] ERC_ERR019 -> 502
[2025-09-06 14:15:58] [info] LVS_ERR003 -> 490
[2025-09-06 14:15:58] [info] ERC_ERR003 -> 490
[2025-09-06 14:15:58] [info] ERC_ERR005 -> 113
[2025-09-06 14:15:58] [info] LVS_ERR030 -> 1
[2025-09-06 14:15:58] [info] -----
[2025-09-06 14:15:58] [info]           Summary
[2025-09-06 14:15:58] [info] -----

```

```
[2025-09-06 14:15:58] [info] ERC Status:          PASSED
[2025-09-06 14:15:58] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:15:58] [info] Short Circuits:      None Detected
[2025-09-06 14:15:58] [info] Open Circuits:      None Detected
[2025-09-06 14:15:58] [info] Unconnected Pins:    602
[2025-09-06 14:15:58] [info] Total Errors:        1610
[2025-09-06 14:15:58] [info] Total Warnings:      430
[2025-09-06 14:15:58] [info] Critical Issues:     None
```

```

[2025-09-06 14:21:28] [info] =====
[2025-09-06 14:21:28] [info]           Electrical Rule Check Summary Report
[2025-09-06 14:21:28] [info] =====

[2025-09-06 14:21:28] [info] Report Generated:    2025-09-06
[2025-09-06 14:21:28] [info] Run Start Time:      02:16:18 PM
[2025-09-06 14:21:28] [info] Run End Time:        02:21:28 PM
[2025-09-06 14:21:28] [info] Time Taken:          5 minutes 23 seconds

[2025-09-06 14:21:28] [info] Tool Version:        LVR_2025.1
[2025-09-06 14:21:28] [info] Host Name:           kuro-Workstation
[2025-09-06 14:21:28] [info] User Name:           kuro
[2025-09-06 14:21:28] [info] Cores Used:          8
[2025-09-06 14:21:28] [info] Memory Utilized:     5873.45 MB / 62.569705963134766 GB

[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Top Cell Match
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-09-06 14:21:28] [info] Schematic Top Cell:  jpeg_encoder3_sky130hd
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Short and Open Checks
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info] Short Circuits:      None Detected
[2025-09-06 14:21:28] [info] Open Circuits:       None Detected

[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Performance Metrics
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info] | Stage                  | Time Taken |
[2025-09-06 14:21:28] [info] |-----|-----|
[2025-09-06 14:21:28] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-09-06 14:21:28] [info] | Connectivity Extraction  | 5 minutes 4 seconds |
[2025-09-06 14:21:28] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-09-06 14:21:28] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Additional Details
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info] Technology Node:      SKY130HD (130nm)
[2025-09-06 14:21:28] [info] Hierarchical Cells:   Flattened
[2025-09-06 14:21:28] [info] Database Format:       GDSII
[2025-09-06 14:21:28] [info] Verification Mode:    Full Check
[2025-09-06 14:21:28] [info] Error Reporting:      Enabled

[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Type of Errors | Count
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info] DB_WARN -> 1
[2025-09-06 14:21:28] [info] LRF_ERR001 -> 14
[2025-09-06 14:21:28] [info] DB_WARN002 -> 152
[2025-09-06 14:21:28] [info] DB_WARN003 -> 155
[2025-09-06 14:21:28] [info] VERI_WARN012 -> 113
[2025-09-06 14:21:28] [info] ERC_ERR019 -> 450
[2025-09-06 14:21:28] [info] LVS_ERR003 -> 438
[2025-09-06 14:21:28] [info] ERC_ERR003 -> 438
[2025-09-06 14:21:28] [info] ERC_ERR005 -> 113
[2025-09-06 14:21:28] [info] LVS_ERR030 -> 1
[2025-09-06 14:21:28] [info] -----
[2025-09-06 14:21:28] [info]           Summary
[2025-09-06 14:21:28] [info] -----

```

```
[2025-09-06 14:21:28] [info] ERC Status:          PASSED
[2025-09-06 14:21:28] [info] Instance Match Percentage: 99.75%
[2025-09-06 14:21:28] [info] Short Circuits:      None Detected
[2025-09-06 14:21:28] [info] Open Circuits:       None Detected
[2025-09-06 14:21:28] [info] Unconnected Pins:    550
[2025-09-06 14:21:28] [info] Total Errors:        1454
[2025-09-06 14:21:28] [info] Total Warnings:      421
[2025-09-06 14:21:28] [info] Critical Issues:     None
```

1.4 SVS Regression Summary Reports

```
[2025-08-29 10:37:17] [info] =====
[2025-08-29 10:37:17] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:17] [info] =====

[2025-08-29 10:37:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:17] [info] Run Start Time:      10:37:16 AM
[2025-08-29 10:37:17] [info] Run End Time:        10:37:17 AM
[2025-08-29 10:37:17] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:17] [info] User Name:           kuro
[2025-08-29 10:37:17] [info] Cores Used:          1
[2025-08-29 10:37:17] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info]           Top Cell Match
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:37:17] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info]           Performance Metrics
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info] | Stage                      | Time Taken |
[2025-08-29 10:37:17] [info] |-----|-----|
[2025-08-29 10:37:17] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-29 10:37:17] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-29 10:37:17] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info]           Additional Details
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:17] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:17] [info] Database Format:         GDSII
[2025-08-29 10:37:17] [info] Verification Mode:      Full Check
[2025-08-29 10:37:17] [info] Error Reporting:        Enabled

[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info]           Type of Errors | Count
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info] DB_WARN -> 1
[2025-08-29 10:37:17] [info] VERI_WARN012 -> 510
[2025-08-29 10:37:17] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:17] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:17] [info] SVS_ERR005 -> 13
[2025-08-29 10:37:17] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:17] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info]           Summary
[2025-08-29 10:37:17] [info] -----
[2025-08-29 10:37:17] [info] SVS Status:             PASSED
[2025-08-29 10:37:17] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:37:17] [info] Unconnected Pins:       100
[2025-08-29 10:37:17] [info] Total Errors:            18
[2025-08-29 10:37:17] [info] Total Warnings:          511
[2025-08-29 10:37:17] [info] Critical Issues:         None
```

```

[2025-08-28 06:17:23] [info] =====
[2025-08-28 06:17:23] [info]             Schematic Versus Schematic Report
[2025-08-28 06:17:23] [info] =====

[2025-08-28 06:17:23] [info] Report Generated:    2025-08-28
[2025-08-28 06:17:23] [info] Run Start Time:      06:17:22 AM
[2025-08-28 06:17:23] [info] Run End Time:        06:17:23 AM
[2025-08-28 06:17:23] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:17:23] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:17:23] [info] Host Name:           kuro-Workstation
[2025-08-28 06:17:23] [info] User Name:           kuro
[2025-08-28 06:17:23] [info] Cores Used:          1
[2025-08-28 06:17:23] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info]             Top Cell Match
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-28 06:17:23] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info]             Performance Metrics
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info] | Stage                  | Time Taken |
[2025-08-28 06:17:23] [info] |-----|-----|
[2025-08-28 06:17:23] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 06:17:23] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 06:17:23] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info]             Additional Details
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info] Technology Node:       Nangate45 (45nm)
[2025-08-28 06:17:23] [info] Hierarchical Cells:    Flattened
[2025-08-28 06:17:23] [info] Database Format:        GDSII
[2025-08-28 06:17:23] [info] Verification Mode:     Full Check
[2025-08-28 06:17:23] [info] Error Reporting:       Enabled

[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info]             Type of Errors | Count
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info] DB_WARN -> 1
[2025-08-28 06:17:23] [info] VERI_WARN012 -> 510
[2025-08-28 06:17:23] [info] SVS_ERR020 -> 2
[2025-08-28 06:17:23] [info] SVS_ERR031 -> 1
[2025-08-28 06:17:23] [info] SVS_ERR005 -> 13
[2025-08-28 06:17:23] [info] SVS_ERR001 -> 1
[2025-08-28 06:17:23] [info] SVS_ERR002 -> 1
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info]             Summary
[2025-08-28 06:17:23] [info] -----
[2025-08-28 06:17:23] [info] SVS Status:            PASSED
[2025-08-28 06:17:23] [info] Instance Match Percentage: 99.96%
[2025-08-28 06:17:23] [info] Unconnected Pins:      100
[2025-08-28 06:17:23] [info] Total Errors:          18
[2025-08-28 06:17:23] [info] Total Warnings:        511
[2025-08-28 06:17:23] [info] Critical Issues:       None

```

```

[2025-08-29 10:37:18] [info] =====
[2025-08-29 10:37:18] [info]             Schematic Versus Schematic Report
[2025-08-29 10:37:18] [info] =====

[2025-08-29 10:37:18] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:18] [info] Run Start Time:      10:37:17 AM
[2025-08-29 10:37:18] [info] Run End Time:        10:37:18 AM
[2025-08-29 10:37:18] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:18] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:18] [info] User Name:           kuro
[2025-08-29 10:37:18] [info] Cores Used:          1
[2025-08-29 10:37:18] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info]             Top Cell Match
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:37:18] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info]             Performance Metrics
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info] | Stage                      | Time Taken |
[2025-08-29 10:37:18] [info] |-----|-----|
[2025-08-29 10:37:18] [info] | Netlist Parsing             | 0 minutes 0 seconds |
[2025-08-29 10:37:18] [info] | Device Matching             | 0 minutes 0 seconds |
[2025-08-29 10:37:18] [info] | Report Generation           | 0 minutes 0 seconds |

[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info]             Additional Details
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info] Technology Node:         Nangate45 (45nm)
[2025-08-29 10:37:18] [info] Hierarchical Cells:      Flattened
[2025-08-29 10:37:18] [info] Database Format:          GDSII
[2025-08-29 10:37:18] [info] Verification Mode:       Full Check
[2025-08-29 10:37:18] [info] Error Reporting:         Enabled

[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info]             Type of Errors | Count
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info] DB_WARN -> 1
[2025-08-29 10:37:18] [info] VERI_WARN012 -> 510
[2025-08-29 10:37:18] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:18] [info] SVS_ERR005 -> 14
[2025-08-29 10:37:18] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:18] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info]             Summary
[2025-08-29 10:37:18] [info] -----
[2025-08-29 10:37:18] [info] SVS Status:              PASSED
[2025-08-29 10:37:18] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:37:18] [info] Unconnected Pins:        100
[2025-08-29 10:37:18] [info] Total Errors:            17
[2025-08-29 10:37:18] [info] Total Warnings:          511
[2025-08-29 10:37:18] [info] Critical Issues:         None

```

```

[2025-08-29 10:37:16] [info] =====
[2025-08-29 10:37:16] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:16] [info] =====

[2025-08-29 10:37:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:16] [info] Run Start Time:      10:37:16 AM
[2025-08-29 10:37:16] [info] Run End Time:        10:37:16 AM
[2025-08-29 10:37:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:16] [info] User Name:           kuro
[2025-08-29 10:37:16] [info] Cores Used:          1
[2025-08-29 10:37:16] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Top Cell Match
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Schematic Top Cell1: gcd
[2025-08-29 10:37:16] [info] Schematic Top Cell2: gcd
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Performance Metrics
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:16] [info] |-----|-----|
[2025-08-29 10:37:16] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Additional Details
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:16] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:16] [info] Database Format:         GDSII
[2025-08-29 10:37:16] [info] Verification Mode:      Full Check
[2025-08-29 10:37:16] [info] Error Reporting:        Enabled

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Type of Errors | Count
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] DB_WARN -> 1
[2025-08-29 10:37:16] [info] VERI_WARN012 -> 48
[2025-08-29 10:37:16] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR005 -> 16
[2025-08-29 10:37:16] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Summary
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] SVS Status:             PASSED
[2025-08-29 10:37:16] [info] Instance Match Percentage: 97.91%
[2025-08-29 10:37:16] [info] Unconnected Pins:       100
[2025-08-29 10:37:16] [info] Total Errors:           19
[2025-08-29 10:37:16] [info] Total Warnings:         49
[2025-08-29 10:37:16] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:16] [info] =====
[2025-08-29 10:37:16] [info]             Schematic Versus Schematic Report
[2025-08-29 10:37:16] [info] =====

[2025-08-29 10:37:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:16] [info] Run Start Time:      10:37:16 AM
[2025-08-29 10:37:16] [info] Run End Time:        10:37:16 AM
[2025-08-29 10:37:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:16] [info] User Name:           kuro
[2025-08-29 10:37:16] [info] Cores Used:          1
[2025-08-29 10:37:16] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]             Top Cell Match
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Schematic Top Cell1: gcd
[2025-08-29 10:37:16] [info] Schematic Top Cell2: gcd
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]             Performance Metrics
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:16] [info] |-----|-----|
[2025-08-29 10:37:16] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]             Additional Details
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:16] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:16] [info] Database Format:         GDSII
[2025-08-29 10:37:16] [info] Verification Mode:      Full Check
[2025-08-29 10:37:16] [info] Error Reporting:        Enabled

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]             Type of Errors | Count
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] DB_WARN -> 1
[2025-08-29 10:37:16] [info] VERI_WARN012 -> 46
[2025-08-29 10:37:16] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR005 -> 15
[2025-08-29 10:37:16] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]             Summary
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] SVS Status:             PASSED
[2025-08-29 10:37:16] [info] Instance Match Percentage: 97.90%
[2025-08-29 10:37:16] [info] Unconnected Pins:       100
[2025-08-29 10:37:16] [info] Total Errors:           19
[2025-08-29 10:37:16] [info] Total Warnings:         47
[2025-08-29 10:37:16] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:16] [info] =====
[2025-08-29 10:37:16] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:16] [info] =====

[2025-08-29 10:37:16] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:16] [info] Run Start Time:      10:37:16 AM
[2025-08-29 10:37:16] [info] Run End Time:        10:37:16 AM
[2025-08-29 10:37:16] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:16] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:16] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:16] [info] User Name:           kuro
[2025-08-29 10:37:16] [info] Cores Used:          1
[2025-08-29 10:37:16] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Top Cell Match
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Schematic Top Cell1: gcd
[2025-08-29 10:37:16] [info] Schematic Top Cell2: gcd
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Performance Metrics
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:16] [info] |-----|-----|
[2025-08-29 10:37:16] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:16] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Additional Details
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:16] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:16] [info] Database Format:         GDSII
[2025-08-29 10:37:16] [info] Verification Mode:      Full Check
[2025-08-29 10:37:16] [info] Error Reporting:        Enabled

[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Type of Errors | Count
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] DB_WARN -> 1
[2025-08-29 10:37:16] [info] VERI_WARN012 -> 44
[2025-08-29 10:37:16] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR005 -> 17
[2025-08-29 10:37:16] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:16] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info]           Summary
[2025-08-29 10:37:16] [info] -----
[2025-08-29 10:37:16] [info] SVS Status:             PASSED
[2025-08-29 10:37:16] [info] Instance Match Percentage: 97.67%
[2025-08-29 10:37:16] [info] Unconnected Pins:       100
[2025-08-29 10:37:16] [info] Total Errors:           20
[2025-08-29 10:37:16] [info] Total Warnings:         45
[2025-08-29 10:37:16] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:19] [info] =====
[2025-08-29 10:37:19] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:19] [info] =====

[2025-08-29 10:37:19] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:19] [info] Run Start Time: 10:37:18 AM
[2025-08-29 10:37:19] [info] Run End Time: 10:37:19 AM
[2025-08-29 10:37:19] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:37:19] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:19] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:19] [info] User Name: kuro
[2025-08-29 10:37:19] [info] Cores Used: 1
[2025-08-29 10:37:19] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Top Cell Match
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Schematic Top Cell1: ibex_core
[2025-08-29 10:37:19] [info] Schematic Top Cell2: ibex_core
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Performance Metrics
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] | Stage | Time Taken |
[2025-08-29 10:37:19] [info] |-----|-----|
[2025-08-29 10:37:19] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:37:19] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Additional Details
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:19] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:19] [info] Database Format: GDSII
[2025-08-29 10:37:19] [info] Verification Mode: Full Check
[2025-08-29 10:37:19] [info] Error Reporting: Enabled

[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Type of Errors | Count
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] DB_WARN -> 1
[2025-08-29 10:37:19] [info] VERI_WARN012 -> 830
[2025-08-29 10:37:19] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:19] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:19] [info] SVS_ERR005 -> 56
[2025-08-29 10:37:19] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:19] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] Summary
[2025-08-29 10:37:19] [info] -----
[2025-08-29 10:37:19] [info] SVS Status: PASSED
[2025-08-29 10:37:19] [info] Instance Match Percentage: 99.84%
[2025-08-29 10:37:19] [info] Unconnected Pins: 100
[2025-08-29 10:37:19] [info] Total Errors: 61
[2025-08-29 10:37:19] [info] Total Warnings: 831
[2025-08-29 10:37:19] [info] Critical Issues: None

```



```

[2025-08-28 06:17:25] [info] =====
[2025-08-28 06:17:25] [info]           Schematic Versus Schematic Report
[2025-08-28 06:17:25] [info] =====

[2025-08-28 06:17:25] [info] Report Generated:    2025-08-28
[2025-08-28 06:17:25] [info] Run Start Time:      06:17:24 AM
[2025-08-28 06:17:25] [info] Run End Time:        06:17:25 AM
[2025-08-28 06:17:25] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:17:25] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:17:25] [info] Host Name:           kuro-Workstation
[2025-08-28 06:17:25] [info] User Name:           kuro
[2025-08-28 06:17:25] [info] Cores Used:          1
[2025-08-28 06:17:25] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info]           Top Cell Match
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info] Schematic Top Cell1:  ibex_core
[2025-08-28 06:17:25] [info] Schematic Top Cell2:  ibex_core
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info]           Performance Metrics
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info] | Stage                  | Time Taken |
[2025-08-28 06:17:25] [info] |-----|-----|
[2025-08-28 06:17:25] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 06:17:25] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 06:17:25] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info]           Additional Details
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info] Technology Node:       Nangate45 (45nm)
[2025-08-28 06:17:25] [info] Hierarchical Cells:    Flattened
[2025-08-28 06:17:25] [info] Database Format:        GDSII
[2025-08-28 06:17:25] [info] Verification Mode:     Full Check
[2025-08-28 06:17:25] [info] Error Reporting:       Enabled

[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info]           Type of Errors | Count
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info] DB_WARN -> 1
[2025-08-28 06:17:25] [info] VERI_WARN012 -> 830
[2025-08-28 06:17:25] [info] SVS_ERR020 -> 2
[2025-08-28 06:17:25] [info] SVS_ERR031 -> 1
[2025-08-28 06:17:25] [info] SVS_ERR005 -> 56
[2025-08-28 06:17:25] [info] SVS_ERR001 -> 1
[2025-08-28 06:17:25] [info] SVS_ERR002 -> 1
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info]           Summary
[2025-08-28 06:17:25] [info] -----
[2025-08-28 06:17:25] [info] SVS Status:            PASSED
[2025-08-28 06:17:25] [info] Instance Match Percentage: 99.84%
[2025-08-28 06:17:25] [info] Unconnected Pins:      100
[2025-08-28 06:17:25] [info] Total Errors:          61
[2025-08-28 06:17:25] [info] Total Warnings:         831
[2025-08-28 06:17:25] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:21] [info] =====
[2025-08-29 10:37:21] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:21] [info] =====

[2025-08-29 10:37:21] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:21] [info] Run Start Time: 10:37:20 AM
[2025-08-29 10:37:21] [info] Run End Time: 10:37:21 AM
[2025-08-29 10:37:21] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:37:21] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:21] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:21] [info] User Name: kuro
[2025-08-29 10:37:21] [info] Cores Used: 1
[2025-08-29 10:37:21] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Top Cell Match
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Schematic Top Cell1: ibex_core
[2025-08-29 10:37:21] [info] Schematic Top Cell2: ibex_core
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Performance Metrics
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] | Stage | Time Taken |
[2025-08-29 10:37:21] [info] |-----|-----|
[2025-08-29 10:37:21] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:37:21] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:21] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Additional Details
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:21] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:21] [info] Database Format: GDSII
[2025-08-29 10:37:21] [info] Verification Mode: Full Check
[2025-08-29 10:37:21] [info] Error Reporting: Enabled

[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Type of Errors | Count
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] DB_WARN -> 1
[2025-08-29 10:37:21] [info] VERI_WARN012 -> 830
[2025-08-29 10:37:21] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:21] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:21] [info] SVS_ERR005 -> 55
[2025-08-29 10:37:21] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:21] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] Summary
[2025-08-29 10:37:21] [info] -----
[2025-08-29 10:37:21] [info] SVS Status: PASSED
[2025-08-29 10:37:21] [info] Instance Match Percentage: 99.71%
[2025-08-29 10:37:21] [info] Unconnected Pins: 100
[2025-08-29 10:37:21] [info] Total Errors: 59
[2025-08-29 10:37:21] [info] Total Warnings: 831
[2025-08-29 10:37:21] [info] Critical Issues: None

```

```

[2025-08-29 10:37:23] [info] =====
[2025-08-29 10:37:23] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:23] [info] =====

[2025-08-29 10:37:23] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:23] [info] Run Start Time: 10:37:21 AM
[2025-08-29 10:37:23] [info] Run End Time: 10:37:23 AM
[2025-08-29 10:37:23] [info] Time Taken: 0 minutes 2 seconds

[2025-08-29 10:37:23] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:23] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:23] [info] User Name: kuro
[2025-08-29 10:37:23] [info] Cores Used: 1
[2025-08-29 10:37:23] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Top Cell Match
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Schematic Top Cell1: jpeg_encoder
[2025-08-29 10:37:23] [info] Schematic Top Cell2: jpeg_encoder
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Performance Metrics
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] | Stage | Time Taken |
[2025-08-29 10:37:23] [info] |-----|-----|
[2025-08-29 10:37:23] [info] | Netlist Parsing | 0 minutes 2 seconds |
[2025-08-29 10:37:23] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:23] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Additional Details
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:23] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:23] [info] Database Format: GDSII
[2025-08-29 10:37:23] [info] Verification Mode: Full Check
[2025-08-29 10:37:23] [info] Error Reporting: Enabled

[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Type of Errors | Count
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] DB_WARN -> 1
[2025-08-29 10:37:23] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:23] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:23] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:23] [info] SVS_ERR005 -> 20
[2025-08-29 10:37:23] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:23] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] Summary
[2025-08-29 10:37:23] [info] -----
[2025-08-29 10:37:23] [info] SVS Status: PASSED
[2025-08-29 10:37:23] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:23] [info] Unconnected Pins: 100
[2025-08-29 10:37:23] [info] Total Errors: 24
[2025-08-29 10:37:23] [info] Total Warnings: 4071
[2025-08-29 10:37:23] [info] Critical Issues: None

```

```

[2025-08-29 10:37:26] [info] =====
[2025-08-29 10:37:26] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:26] [info] =====

[2025-08-29 10:37:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:26] [info] Run Start Time:      10:37:24 AM
[2025-08-29 10:37:26] [info] Run End Time:        10:37:26 AM
[2025-08-29 10:37:26] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:37:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:26] [info] User Name:           kuro
[2025-08-29 10:37:26] [info] Cores Used:          1
[2025-08-29 10:37:26] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info]           Top Cell Match
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info] Schematic Top Cell1: jpeg_encoder
[2025-08-29 10:37:26] [info] Schematic Top Cell2: jpeg_encoder
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info]           Performance Metrics
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:26] [info] |-----|-----|
[2025-08-29 10:37:26] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:37:26] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:26] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info]           Additional Details
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:26] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:26] [info] Database Format:         GDSII
[2025-08-29 10:37:26] [info] Verification Mode:      Full Check
[2025-08-29 10:37:26] [info] Error Reporting:        Enabled

[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info]           Type of Errors | Count
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info] DB_WARN -> 1
[2025-08-29 10:37:26] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:26] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:26] [info] SVS_ERR005 -> 20
[2025-08-29 10:37:26] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:26] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info]           Summary
[2025-08-29 10:37:26] [info] -----
[2025-08-29 10:37:26] [info] SVS Status:             PASSED
[2025-08-29 10:37:26] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:26] [info] Unconnected Pins:       100
[2025-08-29 10:37:26] [info] Total Errors:           23
[2025-08-29 10:37:26] [info] Total Warnings:         4071
[2025-08-29 10:37:26] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:29] [info] =====
[2025-08-29 10:37:29] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:29] [info] =====

[2025-08-29 10:37:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:29] [info] Run Start Time:      10:37:27 AM
[2025-08-29 10:37:29] [info] Run End Time:        10:37:29 AM
[2025-08-29 10:37:29] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:37:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:29] [info] User Name:           kuro
[2025-08-29 10:37:29] [info] Cores Used:          1
[2025-08-29 10:37:29] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info]           Top Cell Match
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:37:29] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info]           Performance Metrics
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:29] [info] |-----|-----|
[2025-08-29 10:37:29] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-29 10:37:29] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:29] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info]           Additional Details
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:37:29] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:37:29] [info] Database Format:        GDSII
[2025-08-29 10:37:29] [info] Verification Mode:     Full Check
[2025-08-29 10:37:29] [info] Error Reporting:       Enabled

[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info]           Type of Errors | Count
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info] DB_WARN -> 1
[2025-08-29 10:37:29] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:29] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:29] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:29] [info] SVS_ERR005 -> 21
[2025-08-29 10:37:29] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:29] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info]           Summary
[2025-08-29 10:37:29] [info] -----
[2025-08-29 10:37:29] [info] SVS Status:            PASSED
[2025-08-29 10:37:29] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:29] [info] Unconnected Pins:      100
[2025-08-29 10:37:29] [info] Total Errors:          26
[2025-08-29 10:37:29] [info] Total Warnings:         4071
[2025-08-29 10:37:29] [info] Critical Issues:       None

```

```

[2025-08-29 10:36:35] [info] =====
[2025-08-29 10:36:35] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:35] [info] =====

[2025-08-29 10:36:35] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:35] [info] Run Start Time:      10:36:34 AM
[2025-08-29 10:36:35] [info] Run End Time:        10:36:35 AM
[2025-08-29 10:36:35] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:35] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:35] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:35] [info] User Name:           kuro
[2025-08-29 10:36:35] [info] Cores Used:          1
[2025-08-29 10:36:35] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info]           Top Cell Match
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:36:35] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info]           Performance Metrics
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:35] [info] |-----|-----|
[2025-08-29 10:36:35] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:35] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:35] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info]           Additional Details
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:36:35] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:36:35] [info] Database Format:        GDSII
[2025-08-29 10:36:35] [info] Verification Mode:     Full Check
[2025-08-29 10:36:35] [info] Error Reporting:       Enabled

[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info]           Type of Errors | Count
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info] DB_WARN -> 1
[2025-08-29 10:36:35] [info] VERI_WARN012 -> 510
[2025-08-29 10:36:35] [info] SVS_ERR020 -> 2
[2025-08-29 10:36:35] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:35] [info] SVS_ERR005 -> 13
[2025-08-29 10:36:35] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:35] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info]           Summary
[2025-08-29 10:36:35] [info] -----
[2025-08-29 10:36:35] [info] SVS Status:            PASSED
[2025-08-29 10:36:35] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:36:35] [info] Unconnected Pins:      100
[2025-08-29 10:36:35] [info] Total Errors:           18
[2025-08-29 10:36:35] [info] Total Warnings:         511
[2025-08-29 10:36:35] [info] Critical Issues:        None

```

```

[2025-08-28 06:16:39] [info] =====
[2025-08-28 06:16:39] [info]           Schematic Versus Schematic Report
[2025-08-28 06:16:39] [info] =====

[2025-08-28 06:16:39] [info] Report Generated:    2025-08-28
[2025-08-28 06:16:39] [info] Run Start Time:      06:16:38 AM
[2025-08-28 06:16:39] [info] Run End Time:        06:16:39 AM
[2025-08-28 06:16:39] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 06:16:39] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:16:39] [info] Host Name:           kuro-Workstation
[2025-08-28 06:16:39] [info] User Name:           kuro
[2025-08-28 06:16:39] [info] Cores Used:          1
[2025-08-28 06:16:39] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info]           Top Cell Match
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-28 06:16:39] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info]           Performance Metrics
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info] | Stage                      | Time Taken |
[2025-08-28 06:16:39] [info] |-----|-----|
[2025-08-28 06:16:39] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 06:16:39] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 06:16:39] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info]           Additional Details
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info] Technology Node:        Nangate45 (45nm)
[2025-08-28 06:16:39] [info] Hierarchical Cells:     Flattened
[2025-08-28 06:16:39] [info] Database Format:         GDSII
[2025-08-28 06:16:39] [info] Verification Mode:      Full Check
[2025-08-28 06:16:39] [info] Error Reporting:        Enabled

[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info]           Type of Errors | Count
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info] DB_WARN -> 1
[2025-08-28 06:16:39] [info] VERI_WARN012 -> 510
[2025-08-28 06:16:39] [info] SVS_ERR020 -> 2
[2025-08-28 06:16:39] [info] SVS_ERR031 -> 1
[2025-08-28 06:16:39] [info] SVS_ERR005 -> 13
[2025-08-28 06:16:39] [info] SVS_ERR001 -> 1
[2025-08-28 06:16:39] [info] SVS_ERR002 -> 1
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info]           Summary
[2025-08-28 06:16:39] [info] -----
[2025-08-28 06:16:39] [info] SVS Status:             PASSED
[2025-08-28 06:16:39] [info] Instance Match Percentage: 99.96%
[2025-08-28 06:16:39] [info] Unconnected Pins:       100
[2025-08-28 06:16:39] [info] Total Errors:           18
[2025-08-28 06:16:39] [info] Total Warnings:         511
[2025-08-28 06:16:39] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:36] [info] =====
[2025-08-29 10:36:36] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:36] [info] =====

[2025-08-29 10:36:36] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:36] [info] Run Start Time:      10:36:35 AM
[2025-08-29 10:36:36] [info] Run End Time:        10:36:36 AM
[2025-08-29 10:36:36] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:36] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:36] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:36] [info] User Name:           kuro
[2025-08-29 10:36:36] [info] Cores Used:          1
[2025-08-29 10:36:36] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info]           Top Cell Match
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:36:36] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info]           Performance Metrics
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:36] [info] |-----|-----|
[2025-08-29 10:36:36] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:36] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:36] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info]           Additional Details
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:36] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:36] [info] Database Format:         GDSII
[2025-08-29 10:36:36] [info] Verification Mode:      Full Check
[2025-08-29 10:36:36] [info] Error Reporting:        Enabled

[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info]           Type of Errors | Count
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info] DB_WARN -> 1
[2025-08-29 10:36:36] [info] VERI_WARN012 -> 510
[2025-08-29 10:36:36] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:36] [info] SVS_ERR005 -> 14
[2025-08-29 10:36:36] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:36] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info]           Summary
[2025-08-29 10:36:36] [info] -----
[2025-08-29 10:36:36] [info] SVS Status:             PASSED
[2025-08-29 10:36:36] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:36:36] [info] Unconnected Pins:       100
[2025-08-29 10:36:36] [info] Total Errors:           17
[2025-08-29 10:36:36] [info] Total Warnings:         511
[2025-08-29 10:36:36] [info] Critical Issues:        None

```



```

[2025-08-29 10:36:34] [info] =====
[2025-08-29 10:36:34] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:34] [info] =====

[2025-08-29 10:36:34] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:34] [info] Run Start Time:      10:36:34 AM
[2025-08-29 10:36:34] [info] Run End Time:        10:36:34 AM
[2025-08-29 10:36:34] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:34] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:34] [info] User Name:           kuro
[2025-08-29 10:36:34] [info] Cores Used:          1
[2025-08-29 10:36:34] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Top Cell Match
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Schematic Top Cell1:  gcd
[2025-08-29 10:36:34] [info] Schematic Top Cell2:  gcd
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Performance Metrics
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:34] [info] |-----|-----|
[2025-08-29 10:36:34] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Additional Details
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:34] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:34] [info] Database Format:         GDSII
[2025-08-29 10:36:34] [info] Verification Mode:      Full Check
[2025-08-29 10:36:34] [info] Error Reporting:        Enabled

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Type of Errors | Count
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] DB_WARN -> 1
[2025-08-29 10:36:34] [info] VERI_WARN012 -> 48
[2025-08-29 10:36:34] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR005 -> 16
[2025-08-29 10:36:34] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Summary
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] SVS Status:             PASSED
[2025-08-29 10:36:34] [info] Instance Match Percentage: 97.91%
[2025-08-29 10:36:34] [info] Unconnected Pins:       100
[2025-08-29 10:36:34] [info] Total Errors:           19
[2025-08-29 10:36:34] [info] Total Warnings:         49
[2025-08-29 10:36:34] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:34] [info] =====
[2025-08-29 10:36:34] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:34] [info] =====

[2025-08-29 10:36:34] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:34] [info] Run Start Time:      10:36:34 AM
[2025-08-29 10:36:34] [info] Run End Time:        10:36:34 AM
[2025-08-29 10:36:34] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:34] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:34] [info] User Name:           kuro
[2025-08-29 10:36:34] [info] Cores Used:          1
[2025-08-29 10:36:34] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Top Cell Match
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Schematic Top Cell1: gcd
[2025-08-29 10:36:34] [info] Schematic Top Cell2: gcd
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Performance Metrics
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:34] [info] |-----|-----|
[2025-08-29 10:36:34] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Additional Details
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:34] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:34] [info] Database Format:         GDSII
[2025-08-29 10:36:34] [info] Verification Mode:      Full Check
[2025-08-29 10:36:34] [info] Error Reporting:        Enabled

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Type of Errors | Count
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] DB_WARN -> 1
[2025-08-29 10:36:34] [info] VERI_WARN012 -> 46
[2025-08-29 10:36:34] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR005 -> 15
[2025-08-29 10:36:34] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Summary
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] SVS Status:             PASSED
[2025-08-29 10:36:34] [info] Instance Match Percentage: 97.90%
[2025-08-29 10:36:34] [info] Unconnected Pins:       100
[2025-08-29 10:36:34] [info] Total Errors:           19
[2025-08-29 10:36:34] [info] Total Warnings:         47
[2025-08-29 10:36:34] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:34] [info] =====
[2025-08-29 10:36:34] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:34] [info] =====

[2025-08-29 10:36:34] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:34] [info] Run Start Time:      10:36:34 AM
[2025-08-29 10:36:34] [info] Run End Time:        10:36:34 AM
[2025-08-29 10:36:34] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:34] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:34] [info] User Name:           kuro
[2025-08-29 10:36:34] [info] Cores Used:          1
[2025-08-29 10:36:34] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Top Cell Match
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Schematic Top Cell1: gcd
[2025-08-29 10:36:34] [info] Schematic Top Cell2: gcd
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Performance Metrics
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:34] [info] |-----|-----|
[2025-08-29 10:36:34] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:36:34] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Additional Details
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:34] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:34] [info] Database Format:         GDSII
[2025-08-29 10:36:34] [info] Verification Mode:      Full Check
[2025-08-29 10:36:34] [info] Error Reporting:        Enabled

[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Type of Errors | Count
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] DB_WARN -> 1
[2025-08-29 10:36:34] [info] VERI_WARN012 -> 44
[2025-08-29 10:36:34] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR005 -> 17
[2025-08-29 10:36:34] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:34] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info]           Summary
[2025-08-29 10:36:34] [info] -----
[2025-08-29 10:36:34] [info] SVS Status:             PASSED
[2025-08-29 10:36:34] [info] Instance Match Percentage: 97.67%
[2025-08-29 10:36:34] [info] Unconnected Pins:       100
[2025-08-29 10:36:34] [info] Total Errors:           20
[2025-08-29 10:36:34] [info] Total Warnings:         45
[2025-08-29 10:36:34] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:37] [info] =====
[2025-08-29 10:36:37] [info] Schematic Versus Schematic Report
[2025-08-29 10:36:37] [info] =====

[2025-08-29 10:36:37] [info] Report Generated: 2025-08-29
[2025-08-29 10:36:37] [info] Run Start Time: 10:36:36 AM
[2025-08-29 10:36:37] [info] Run End Time: 10:36:37 AM
[2025-08-29 10:36:37] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:36:37] [info] Tool Version: LVR_2025.1
[2025-08-29 10:36:37] [info] Host Name: kuro-Workstation
[2025-08-29 10:36:37] [info] User Name: kuro
[2025-08-29 10:36:37] [info] Cores Used: 1
[2025-08-29 10:36:37] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Top Cell Match
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Schematic Top Cell1: ibex_core
[2025-08-29 10:36:37] [info] Schematic Top Cell2: ibex_core
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Performance Metrics
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] | Stage | Time Taken |
[2025-08-29 10:36:37] [info] |-----|-----|
[2025-08-29 10:36:37] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:36:37] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:36:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Additional Details
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:36:37] [info] Hierarchical Cells: Flattened
[2025-08-29 10:36:37] [info] Database Format: GDSII
[2025-08-29 10:36:37] [info] Verification Mode: Full Check
[2025-08-29 10:36:37] [info] Error Reporting: Enabled

[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Type of Errors | Count
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] DB_WARN -> 1
[2025-08-29 10:36:37] [info] VERI_WARN012 -> 830
[2025-08-29 10:36:37] [info] SVS_ERR020 -> 2
[2025-08-29 10:36:37] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:37] [info] SVS_ERR005 -> 56
[2025-08-29 10:36:37] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:37] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] Summary
[2025-08-29 10:36:37] [info] -----
[2025-08-29 10:36:37] [info] SVS Status: PASSED
[2025-08-29 10:36:37] [info] Instance Match Percentage: 99.84%
[2025-08-29 10:36:37] [info] Unconnected Pins: 100
[2025-08-29 10:36:37] [info] Total Errors: 61
[2025-08-29 10:36:37] [info] Total Warnings: 831
[2025-08-29 10:36:37] [info] Critical Issues: None

```

```

[2025-08-28 06:16:42] [info] =====
[2025-08-28 06:16:42] [info]           Schematic Versus Schematic Report
[2025-08-28 06:16:42] [info] =====

[2025-08-28 06:16:42] [info] Report Generated:    2025-08-28
[2025-08-28 06:16:42] [info] Run Start Time:      06:16:41 AM
[2025-08-28 06:16:42] [info] Run End Time:        06:16:42 AM
[2025-08-28 06:16:42] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:16:42] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:16:42] [info] Host Name:           kuro-Workstation
[2025-08-28 06:16:42] [info] User Name:           kuro
[2025-08-28 06:16:42] [info] Cores Used:          1
[2025-08-28 06:16:42] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info]           Top Cell Match
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info] Schematic Top Cell1:  ibex_core
[2025-08-28 06:16:42] [info] Schematic Top Cell2:  ibex_core
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info]           Performance Metrics
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info] | Stage                  | Time Taken |
[2025-08-28 06:16:42] [info] |-----|-----|
[2025-08-28 06:16:42] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 06:16:42] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 06:16:42] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info]           Additional Details
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info] Technology Node:       Nangate45 (45nm)
[2025-08-28 06:16:42] [info] Hierarchical Cells:    Flattened
[2025-08-28 06:16:42] [info] Database Format:        GDSII
[2025-08-28 06:16:42] [info] Verification Mode:     Full Check
[2025-08-28 06:16:42] [info] Error Reporting:       Enabled

[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info]           Type of Errors | Count
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info] DB_WARN -> 1
[2025-08-28 06:16:42] [info] VERI_WARN012 -> 830
[2025-08-28 06:16:42] [info] SVS_ERR020 -> 2
[2025-08-28 06:16:42] [info] SVS_ERR031 -> 1
[2025-08-28 06:16:42] [info] SVS_ERR005 -> 56
[2025-08-28 06:16:42] [info] SVS_ERR001 -> 1
[2025-08-28 06:16:42] [info] SVS_ERR002 -> 1
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info]           Summary
[2025-08-28 06:16:42] [info] -----
[2025-08-28 06:16:42] [info] SVS Status:            PASSED
[2025-08-28 06:16:42] [info] Instance Match Percentage: 99.84%
[2025-08-28 06:16:42] [info] Unconnected Pins:      100
[2025-08-28 06:16:42] [info] Total Errors:          61
[2025-08-28 06:16:42] [info] Total Warnings:        831
[2025-08-28 06:16:42] [info] Critical Issues:       None

```

```

[2025-08-29 10:36:38] [info] =====
[2025-08-29 10:36:38] [info]             Schematic Versus Schematic Report
[2025-08-29 10:36:38] [info] =====

[2025-08-29 10:36:38] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:38] [info] Run Start Time:      10:36:38 AM
[2025-08-29 10:36:38] [info] Run End Time:        10:36:38 AM
[2025-08-29 10:36:38] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:38] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:38] [info] User Name:           kuro
[2025-08-29 10:36:38] [info] Cores Used:          1
[2025-08-29 10:36:38] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info]             Top Cell Match
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info] Schematic Top Cell1:  ibex_core
[2025-08-29 10:36:38] [info] Schematic Top Cell2:  ibex_core
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info]             Performance Metrics
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:38] [info] |-----|-----|
[2025-08-29 10:36:38] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:38] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:38] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info]             Additional Details
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:38] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:36:38] [info] Database Format:        GDSII
[2025-08-29 10:36:38] [info] Verification Mode:     Full Check
[2025-08-29 10:36:38] [info] Error Reporting:       Enabled

[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info]             Type of Errors | Count
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info] DB_WARN -> 1
[2025-08-29 10:36:38] [info] VERI_WARN012 -> 830
[2025-08-29 10:36:38] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:38] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:38] [info] SVS_ERR005 -> 55
[2025-08-29 10:36:38] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:38] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info]             Summary
[2025-08-29 10:36:38] [info] -----
[2025-08-29 10:36:38] [info] SVS Status:            PASSED
[2025-08-29 10:36:38] [info] Instance Match Percentage: 99.71%
[2025-08-29 10:36:38] [info] Unconnected Pins:      100
[2025-08-29 10:36:38] [info] Total Errors:          59
[2025-08-29 10:36:38] [info] Total Warnings:        831
[2025-08-29 10:36:38] [info] Critical Issues:       None

```

```

[2025-08-29 10:36:41] [info] =====
[2025-08-29 10:36:41] [info]             Schematic Versus Schematic Report
[2025-08-29 10:36:41] [info] =====

[2025-08-29 10:36:41] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:41] [info] Run Start Time:      10:36:39 AM
[2025-08-29 10:36:41] [info] Run End Time:        10:36:41 AM
[2025-08-29 10:36:41] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:36:41] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:41] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:41] [info] User Name:           kuro
[2025-08-29 10:36:41] [info] Cores Used:          1
[2025-08-29 10:36:41] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info]             Top Cell Match
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:36:41] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info]             Performance Metrics
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:41] [info] |-----|-----|
[2025-08-29 10:36:41] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:36:41] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:41] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info]             Additional Details
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:41] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:41] [info] Database Format:         GDSII
[2025-08-29 10:36:41] [info] Verification Mode:      Full Check
[2025-08-29 10:36:41] [info] Error Reporting:        Enabled

[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info]             Type of Errors | Count
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info] DB_WARN -> 1
[2025-08-29 10:36:41] [info] VERI_WARN012 -> 4070
[2025-08-29 10:36:41] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:41] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:41] [info] SVS_ERR005 -> 20
[2025-08-29 10:36:41] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:41] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info]             Summary
[2025-08-29 10:36:41] [info] -----
[2025-08-29 10:36:41] [info] SVS Status:             PASSED
[2025-08-29 10:36:41] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:36:41] [info] Unconnected Pins:       100
[2025-08-29 10:36:41] [info] Total Errors:           24
[2025-08-29 10:36:41] [info] Total Warnings:         4071
[2025-08-29 10:36:41] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:44] [info] =====
[2025-08-29 10:36:44] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:44] [info] =====

[2025-08-29 10:36:44] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:44] [info] Run Start Time:      10:36:42 AM
[2025-08-29 10:36:44] [info] Run End Time:        10:36:44 AM
[2025-08-29 10:36:44] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:36:44] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:44] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:44] [info] User Name:           kuro
[2025-08-29 10:36:44] [info] Cores Used:          1
[2025-08-29 10:36:44] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info]           Top Cell Match
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:36:44] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info]           Performance Metrics
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:44] [info] |-----|-----|
[2025-08-29 10:36:44] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:36:44] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:44] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info]           Additional Details
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:44] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:44] [info] Database Format:         GDSII
[2025-08-29 10:36:44] [info] Verification Mode:      Full Check
[2025-08-29 10:36:44] [info] Error Reporting:        Enabled

[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info]           Type of Errors | Count
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info] DB_WARN -> 1
[2025-08-29 10:36:44] [info] VERI_WARN012 -> 4070
[2025-08-29 10:36:44] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:44] [info] SVS_ERR005 -> 20
[2025-08-29 10:36:44] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:44] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info]           Summary
[2025-08-29 10:36:44] [info] -----
[2025-08-29 10:36:44] [info] SVS Status:             PASSED
[2025-08-29 10:36:44] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:36:44] [info] Unconnected Pins:       100
[2025-08-29 10:36:44] [info] Total Errors:           23
[2025-08-29 10:36:44] [info] Total Warnings:         4071
[2025-08-29 10:36:44] [info] Critical Issues:        None

```



```

[2025-08-29 10:36:47] [info] =====
[2025-08-29 10:36:47] [info] Schematic Versus Schematic Report
[2025-08-29 10:36:47] [info] =====

[2025-08-29 10:36:47] [info] Report Generated: 2025-08-29
[2025-08-29 10:36:47] [info] Run Start Time: 10:36:45 AM
[2025-08-29 10:36:47] [info] Run End Time: 10:36:47 AM
[2025-08-29 10:36:47] [info] Time Taken: 0 minutes 2 seconds

[2025-08-29 10:36:47] [info] Tool Version: LVR_2025.1
[2025-08-29 10:36:47] [info] Host Name: kuro-Workstation
[2025-08-29 10:36:47] [info] User Name: kuro
[2025-08-29 10:36:47] [info] Cores Used: 1
[2025-08-29 10:36:47] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Top Cell Match
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Schematic Top Cell1: jpeg_encoder
[2025-08-29 10:36:47] [info] Schematic Top Cell2: jpeg_encoder
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Performance Metrics
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] | Stage | Time Taken |
[2025-08-29 10:36:47] [info] |-----|-----|
[2025-08-29 10:36:47] [info] | Netlist Parsing | 0 minutes 2 seconds |
[2025-08-29 10:36:47] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:36:47] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Additional Details
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:36:47] [info] Hierarchical Cells: Flattened
[2025-08-29 10:36:47] [info] Database Format: GDSII
[2025-08-29 10:36:47] [info] Verification Mode: Full Check
[2025-08-29 10:36:47] [info] Error Reporting: Enabled

[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Type of Errors | Count
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] DB_WARN -> 1
[2025-08-29 10:36:47] [info] VERI_WARN012 -> 4070
[2025-08-29 10:36:47] [info] SVS_ERR020 -> 2
[2025-08-29 10:36:47] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:47] [info] SVS_ERR005 -> 21
[2025-08-29 10:36:47] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:47] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] Summary
[2025-08-29 10:36:47] [info] -----
[2025-08-29 10:36:47] [info] SVS Status: PASSED
[2025-08-29 10:36:47] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:36:47] [info] Unconnected Pins: 100
[2025-08-29 10:36:47] [info] Total Errors: 26
[2025-08-29 10:36:47] [info] Total Warnings: 4071
[2025-08-29 10:36:47] [info] Critical Issues: None

```

```

[2025-08-29 10:36:49] [info] =====
[2025-08-29 10:36:49] [info] Schematic Versus Schematic Report
[2025-08-29 10:36:49] [info] =====

[2025-08-29 10:36:49] [info] Report Generated: 2025-08-29
[2025-08-29 10:36:49] [info] Run Start Time: 10:36:48 AM
[2025-08-29 10:36:49] [info] Run End Time: 10:36:49 AM
[2025-08-29 10:36:49] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:36:49] [info] Tool Version: LVR_2025.1
[2025-08-29 10:36:49] [info] Host Name: kuro-Workstation
[2025-08-29 10:36:49] [info] User Name: kuro
[2025-08-29 10:36:49] [info] Cores Used: 1
[2025-08-29 10:36:49] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Top Cell Match
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Schematic Top Cell1: aes_cipher_top
[2025-08-29 10:36:49] [info] Schematic Top Cell2: aes_cipher_top
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Performance Metrics
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] | Stage | Time Taken |
[2025-08-29 10:36:49] [info] |-----|-----|
[2025-08-29 10:36:49] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:36:49] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:36:49] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Additional Details
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:36:49] [info] Hierarchical Cells: Flattened
[2025-08-29 10:36:49] [info] Database Format: GDSII
[2025-08-29 10:36:49] [info] Verification Mode: Full Check
[2025-08-29 10:36:49] [info] Error Reporting: Enabled

[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Type of Errors | Count
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] DB_WARN -> 1
[2025-08-29 10:36:49] [info] VERI_WARN012 -> 510
[2025-08-29 10:36:49] [info] SVS_ERR020 -> 2
[2025-08-29 10:36:49] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:49] [info] SVS_ERR005 -> 13
[2025-08-29 10:36:49] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:49] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] Summary
[2025-08-29 10:36:49] [info] -----
[2025-08-29 10:36:49] [info] SVS Status: PASSED
[2025-08-29 10:36:49] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:36:49] [info] Unconnected Pins: 100
[2025-08-29 10:36:49] [info] Total Errors: 18
[2025-08-29 10:36:49] [info] Total Warnings: 511
[2025-08-29 10:36:49] [info] Critical Issues: None

```

```

[2025-08-28 06:16:54] [info] =====
[2025-08-28 06:16:54] [info]           Schematic Versus Schematic Report
[2025-08-28 06:16:54] [info] =====

[2025-08-28 06:16:54] [info] Report Generated:    2025-08-28
[2025-08-28 06:16:54] [info] Run Start Time:      06:16:53 AM
[2025-08-28 06:16:54] [info] Run End Time:        06:16:54 AM
[2025-08-28 06:16:54] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:16:54] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:16:54] [info] Host Name:           kuro-Workstation
[2025-08-28 06:16:54] [info] User Name:           kuro
[2025-08-28 06:16:54] [info] Cores Used:          1
[2025-08-28 06:16:54] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info]           Top Cell Match
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-28 06:16:54] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info]           Performance Metrics
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info] | Stage                      | Time Taken |
[2025-08-28 06:16:54] [info] |-----|-----|
[2025-08-28 06:16:54] [info] | Netlist Parsing             | 0 minutes 0 seconds |
[2025-08-28 06:16:54] [info] | Device Matching             | 0 minutes 0 seconds |
[2025-08-28 06:16:54] [info] | Report Generation           | 0 minutes 0 seconds |

[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info]           Additional Details
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info] Technology Node:        Nangate45 (45nm)
[2025-08-28 06:16:54] [info] Hierarchical Cells:     Flattened
[2025-08-28 06:16:54] [info] Database Format:         GDSII
[2025-08-28 06:16:54] [info] Verification Mode:      Full Check
[2025-08-28 06:16:54] [info] Error Reporting:        Enabled

[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info]           Type of Errors | Count
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info] DB_WARN -> 1
[2025-08-28 06:16:54] [info] VERI_WARN012 -> 510
[2025-08-28 06:16:54] [info] SVS_ERR020 -> 2
[2025-08-28 06:16:54] [info] SVS_ERR031 -> 1
[2025-08-28 06:16:54] [info] SVS_ERR005 -> 13
[2025-08-28 06:16:54] [info] SVS_ERR001 -> 1
[2025-08-28 06:16:54] [info] SVS_ERR002 -> 1
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info]           Summary
[2025-08-28 06:16:54] [info] -----
[2025-08-28 06:16:54] [info] SVS Status:             PASSED
[2025-08-28 06:16:54] [info] Instance Match Percentage: 99.96%
[2025-08-28 06:16:54] [info] Unconnected Pins:       100
[2025-08-28 06:16:54] [info] Total Errors:           18
[2025-08-28 06:16:54] [info] Total Warnings:         511
[2025-08-28 06:16:54] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:50] [info] =====
[2025-08-29 10:36:50] [info]             Schematic Versus Schematic Report
[2025-08-29 10:36:50] [info] =====

[2025-08-29 10:36:50] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:50] [info] Run Start Time:      10:36:49 AM
[2025-08-29 10:36:50] [info] Run End Time:        10:36:50 AM
[2025-08-29 10:36:50] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:50] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:50] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:50] [info] User Name:           kuro
[2025-08-29 10:36:50] [info] Cores Used:          1
[2025-08-29 10:36:50] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info]             Top Cell Match
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:36:50] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info]             Performance Metrics
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:50] [info] |-----|-----|
[2025-08-29 10:36:50] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:50] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:50] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info]             Additional Details
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:50] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:50] [info] Database Format:         GDSII
[2025-08-29 10:36:50] [info] Verification Mode:      Full Check
[2025-08-29 10:36:50] [info] Error Reporting:        Enabled

[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info]             Type of Errors | Count
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info] DB_WARN -> 1
[2025-08-29 10:36:50] [info] VERI_WARN012 -> 510
[2025-08-29 10:36:50] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:50] [info] SVS_ERR005 -> 14
[2025-08-29 10:36:50] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:50] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info]             Summary
[2025-08-29 10:36:50] [info] -----
[2025-08-29 10:36:50] [info] SVS Status:             PASSED
[2025-08-29 10:36:50] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:36:50] [info] Unconnected Pins:       100
[2025-08-29 10:36:50] [info] Total Errors:           17
[2025-08-29 10:36:50] [info] Total Warnings:         511
[2025-08-29 10:36:50] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:48] [info] =====
[2025-08-29 10:36:48] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:48] [info] =====

[2025-08-29 10:36:48] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:48] [info] Run Start Time:      10:36:48 AM
[2025-08-29 10:36:48] [info] Run End Time:        10:36:48 AM
[2025-08-29 10:36:48] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:48] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:48] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:48] [info] User Name:           kuro
[2025-08-29 10:36:48] [info] Cores Used:          1
[2025-08-29 10:36:48] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Top Cell Match
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Schematic Top Cell1: gcd
[2025-08-29 10:36:48] [info] Schematic Top Cell2: gcd
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Performance Metrics
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:48] [info] |-----|-----|
[2025-08-29 10:36:48] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Additional Details
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:36:48] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:36:48] [info] Database Format:        GDSII
[2025-08-29 10:36:48] [info] Verification Mode:     Full Check
[2025-08-29 10:36:48] [info] Error Reporting:       Enabled

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Type of Errors | Count
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] DB_WARN -> 1
[2025-08-29 10:36:48] [info] VERI_WARN012 -> 48
[2025-08-29 10:36:48] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR005 -> 16
[2025-08-29 10:36:48] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Summary
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] SVS Status:            PASSED
[2025-08-29 10:36:48] [info] Instance Match Percentage: 97.91%
[2025-08-29 10:36:48] [info] Unconnected Pins:      100
[2025-08-29 10:36:48] [info] Total Errors:          19
[2025-08-29 10:36:48] [info] Total Warnings:        49
[2025-08-29 10:36:48] [info] Critical Issues:       None

```

```

[2025-08-29 10:36:48] [info] =====
[2025-08-29 10:36:48] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:48] [info] =====

[2025-08-29 10:36:48] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:48] [info] Run Start Time:      10:36:48 AM
[2025-08-29 10:36:48] [info] Run End Time:        10:36:48 AM
[2025-08-29 10:36:48] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:48] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:48] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:48] [info] User Name:           kuro
[2025-08-29 10:36:48] [info] Cores Used:          1
[2025-08-29 10:36:48] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Top Cell Match
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Schematic Top Cell1:  gcd
[2025-08-29 10:36:48] [info] Schematic Top Cell2:  gcd
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Performance Metrics
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:48] [info] |-----|-----|
[2025-08-29 10:36:48] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Additional Details
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:48] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:48] [info] Database Format:         GDSII
[2025-08-29 10:36:48] [info] Verification Mode:      Full Check
[2025-08-29 10:36:48] [info] Error Reporting:        Enabled

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Type of Errors | Count
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] DB_WARN -> 1
[2025-08-29 10:36:48] [info] VERI_WARN012 -> 46
[2025-08-29 10:36:48] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR005 -> 15
[2025-08-29 10:36:48] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info]           Summary
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] SVS Status:             PASSED
[2025-08-29 10:36:48] [info] Instance Match Percentage: 97.90%
[2025-08-29 10:36:48] [info] Unconnected Pins:       100
[2025-08-29 10:36:48] [info] Total Errors:           19
[2025-08-29 10:36:48] [info] Total Warnings:         47
[2025-08-29 10:36:48] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:48] [info] =====
[2025-08-29 10:36:48] [info] Schematic Versus Schematic Report
[2025-08-29 10:36:48] [info] =====

[2025-08-29 10:36:48] [info] Report Generated: 2025-08-29
[2025-08-29 10:36:48] [info] Run Start Time: 10:36:48 AM
[2025-08-29 10:36:48] [info] Run End Time: 10:36:48 AM
[2025-08-29 10:36:48] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:36:48] [info] Tool Version: LVR_2025.1
[2025-08-29 10:36:48] [info] Host Name: kuro-Workstation
[2025-08-29 10:36:48] [info] User Name: kuro
[2025-08-29 10:36:48] [info] Cores Used: 1
[2025-08-29 10:36:48] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Top Cell Match
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Schematic Top Cell1: gcd
[2025-08-29 10:36:48] [info] Schematic Top Cell2: gcd
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Performance Metrics
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] | Stage | Time Taken |
[2025-08-29 10:36:48] [info] |-----|-----|
[2025-08-29 10:36:48] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:36:48] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Additional Details
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:36:48] [info] Hierarchical Cells: Flattened
[2025-08-29 10:36:48] [info] Database Format: GDSII
[2025-08-29 10:36:48] [info] Verification Mode: Full Check
[2025-08-29 10:36:48] [info] Error Reporting: Enabled

[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Type of Errors | Count
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] DB_WARN -> 1
[2025-08-29 10:36:48] [info] VERI_WARN012 -> 44
[2025-08-29 10:36:48] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR005 -> 17
[2025-08-29 10:36:48] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:48] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] Summary
[2025-08-29 10:36:48] [info] -----
[2025-08-29 10:36:48] [info] SVS Status: PASSED
[2025-08-29 10:36:48] [info] Instance Match Percentage: 97.67%
[2025-08-29 10:36:48] [info] Unconnected Pins: 100
[2025-08-29 10:36:48] [info] Total Errors: 20
[2025-08-29 10:36:48] [info] Total Warnings: 45
[2025-08-29 10:36:48] [info] Critical Issues: None

```

```

[2025-08-29 10:36:51] [info] =====
[2025-08-29 10:36:51] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:51] [info] =====

[2025-08-29 10:36:51] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:51] [info] Run Start Time:      10:36:50 AM
[2025-08-29 10:36:51] [info] Run End Time:        10:36:51 AM
[2025-08-29 10:36:51] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:51] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:51] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:51] [info] User Name:           kuro
[2025-08-29 10:36:51] [info] Cores Used:          1
[2025-08-29 10:36:51] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info]           Top Cell Match
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info] Schematic Top Cell1:  ibex_core
[2025-08-29 10:36:51] [info] Schematic Top Cell2:  ibex_core
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info]           Performance Metrics
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:51] [info] |-----|-----|
[2025-08-29 10:36:51] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:36:51] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:36:51] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info]           Additional Details
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:36:51] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:36:51] [info] Database Format:        GDSII
[2025-08-29 10:36:51] [info] Verification Mode:     Full Check
[2025-08-29 10:36:51] [info] Error Reporting:       Enabled

[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info]           Type of Errors | Count
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info] DB_WARN -> 1
[2025-08-29 10:36:51] [info] VERI_WARN012 -> 830
[2025-08-29 10:36:51] [info] SVS_ERR020 -> 2
[2025-08-29 10:36:51] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:51] [info] SVS_ERR005 -> 56
[2025-08-29 10:36:51] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:51] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info]           Summary
[2025-08-29 10:36:51] [info] -----
[2025-08-29 10:36:51] [info] SVS Status:            PASSED
[2025-08-29 10:36:51] [info] Instance Match Percentage: 99.84%
[2025-08-29 10:36:51] [info] Unconnected Pins:      100
[2025-08-29 10:36:51] [info] Total Errors:          61
[2025-08-29 10:36:51] [info] Total Warnings:        831
[2025-08-29 10:36:51] [info] Critical Issues:       None

```



```

[2025-08-28 06:16:56] [info] =====
[2025-08-28 06:16:56] [info]           Schematic Versus Schematic Report
[2025-08-28 06:16:56] [info] =====

[2025-08-28 06:16:56] [info] Report Generated:    2025-08-28
[2025-08-28 06:16:56] [info] Run Start Time:      06:16:55 AM
[2025-08-28 06:16:56] [info] Run End Time:        06:16:56 AM
[2025-08-28 06:16:56] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:16:56] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:16:56] [info] Host Name:           kuro-Workstation
[2025-08-28 06:16:56] [info] User Name:           kuro
[2025-08-28 06:16:56] [info] Cores Used:          1
[2025-08-28 06:16:56] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info]           Top Cell Match
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info] Schematic Top Cell1:  ibex_core
[2025-08-28 06:16:56] [info] Schematic Top Cell2:  ibex_core
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info]           Performance Metrics
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info] | Stage                  | Time Taken |
[2025-08-28 06:16:56] [info] |-----|-----|
[2025-08-28 06:16:56] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 06:16:56] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 06:16:56] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info]           Additional Details
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info] Technology Node:        Nangate45 (45nm)
[2025-08-28 06:16:56] [info] Hierarchical Cells:     Flattened
[2025-08-28 06:16:56] [info] Database Format:         GDSII
[2025-08-28 06:16:56] [info] Verification Mode:      Full Check
[2025-08-28 06:16:56] [info] Error Reporting:        Enabled

[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info]           Type of Errors | Count
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info] DB_WARN -> 1
[2025-08-28 06:16:56] [info] VERI_WARN012 -> 830
[2025-08-28 06:16:56] [info] SVS_ERR020 -> 2
[2025-08-28 06:16:56] [info] SVS_ERR031 -> 1
[2025-08-28 06:16:56] [info] SVS_ERR005 -> 56
[2025-08-28 06:16:56] [info] SVS_ERR001 -> 1
[2025-08-28 06:16:56] [info] SVS_ERR002 -> 1
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info]           Summary
[2025-08-28 06:16:56] [info] -----
[2025-08-28 06:16:56] [info] SVS Status:             PASSED
[2025-08-28 06:16:56] [info] Instance Match Percentage: 99.84%
[2025-08-28 06:16:56] [info] Unconnected Pins:       100
[2025-08-28 06:16:56] [info] Total Errors:           61
[2025-08-28 06:16:56] [info] Total Warnings:         831
[2025-08-28 06:16:56] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:52] [info] =====
[2025-08-29 10:36:52] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:52] [info] =====

[2025-08-29 10:36:52] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:52] [info] Run Start Time:      10:36:52 AM
[2025-08-29 10:36:52] [info] Run End Time:        10:36:52 AM
[2025-08-29 10:36:52] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:36:52] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:52] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:52] [info] User Name:           kuro
[2025-08-29 10:36:52] [info] Cores Used:          1
[2025-08-29 10:36:52] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info]           Top Cell Match
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info] Schematic Top Cell1:  ibex_core
[2025-08-29 10:36:52] [info] Schematic Top Cell2:  ibex_core
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info]           Performance Metrics
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:52] [info] |-----|-----|
[2025-08-29 10:36:52] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:36:52] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:52] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info]           Additional Details
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:52] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:52] [info] Database Format:         GDSII
[2025-08-29 10:36:52] [info] Verification Mode:      Full Check
[2025-08-29 10:36:52] [info] Error Reporting:        Enabled

[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info]           Type of Errors | Count
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info] DB_WARN -> 1
[2025-08-29 10:36:52] [info] VERI_WARN012 -> 830
[2025-08-29 10:36:52] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:52] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:52] [info] SVS_ERR005 -> 55
[2025-08-29 10:36:52] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:52] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info]           Summary
[2025-08-29 10:36:52] [info] -----
[2025-08-29 10:36:52] [info] SVS Status:             PASSED
[2025-08-29 10:36:52] [info] Instance Match Percentage: 99.71%
[2025-08-29 10:36:52] [info] Unconnected Pins:       100
[2025-08-29 10:36:52] [info] Total Errors:           59
[2025-08-29 10:36:52] [info] Total Warnings:         831
[2025-08-29 10:36:52] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:55] [info] =====
[2025-08-29 10:36:55] [info]             Schematic Versus Schematic Report
[2025-08-29 10:36:55] [info] =====

[2025-08-29 10:36:55] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:55] [info] Run Start Time:      10:36:53 AM
[2025-08-29 10:36:55] [info] Run End Time:        10:36:55 AM
[2025-08-29 10:36:55] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:36:55] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:55] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:55] [info] User Name:           kuro
[2025-08-29 10:36:55] [info] Cores Used:          1
[2025-08-29 10:36:55] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info]             Top Cell Match
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info] Schematic Top Cell1: jpeg_encoder
[2025-08-29 10:36:55] [info] Schematic Top Cell2: jpeg_encoder
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info]             Performance Metrics
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:55] [info] |-----|-----|
[2025-08-29 10:36:55] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:36:55] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:55] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info]             Additional Details
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:55] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:55] [info] Database Format:         GDSII
[2025-08-29 10:36:55] [info] Verification Mode:      Full Check
[2025-08-29 10:36:55] [info] Error Reporting:        Enabled

[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info]             Type of Errors | Count
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info] DB_WARN -> 1
[2025-08-29 10:36:55] [info] VERI_WARN012 -> 4070
[2025-08-29 10:36:55] [info] SVS_ERR020 -> 1
[2025-08-29 10:36:55] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:55] [info] SVS_ERR005 -> 20
[2025-08-29 10:36:55] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:55] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info]             Summary
[2025-08-29 10:36:55] [info] -----
[2025-08-29 10:36:55] [info] SVS Status:             PASSED
[2025-08-29 10:36:55] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:36:55] [info] Unconnected Pins:       100
[2025-08-29 10:36:55] [info] Total Errors:           24
[2025-08-29 10:36:55] [info] Total Warnings:         4071
[2025-08-29 10:36:55] [info] Critical Issues:        None

```

```

[2025-08-29 10:36:58] [info] =====
[2025-08-29 10:36:58] [info]           Schematic Versus Schematic Report
[2025-08-29 10:36:58] [info] =====

[2025-08-29 10:36:58] [info] Report Generated:    2025-08-29
[2025-08-29 10:36:58] [info] Run Start Time:      10:36:56 AM
[2025-08-29 10:36:58] [info] Run End Time:        10:36:58 AM
[2025-08-29 10:36:58] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:36:58] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:36:58] [info] Host Name:           kuro-Workstation
[2025-08-29 10:36:58] [info] User Name:           kuro
[2025-08-29 10:36:58] [info] Cores Used:          1
[2025-08-29 10:36:58] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info]           Top Cell Match
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:36:58] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info]           Performance Metrics
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info] | Stage                  | Time Taken |
[2025-08-29 10:36:58] [info] |-----|-----|
[2025-08-29 10:36:58] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:36:58] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:36:58] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info]           Additional Details
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:36:58] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:36:58] [info] Database Format:         GDSII
[2025-08-29 10:36:58] [info] Verification Mode:      Full Check
[2025-08-29 10:36:58] [info] Error Reporting:        Enabled

[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info]           Type of Errors | Count
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info] DB_WARN -> 1
[2025-08-29 10:36:58] [info] VERI_WARN012 -> 4070
[2025-08-29 10:36:58] [info] SVS_ERR031 -> 1
[2025-08-29 10:36:58] [info] SVS_ERR005 -> 20
[2025-08-29 10:36:58] [info] SVS_ERR001 -> 1
[2025-08-29 10:36:58] [info] SVS_ERR002 -> 1
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info]           Summary
[2025-08-29 10:36:58] [info] -----
[2025-08-29 10:36:58] [info] SVS Status:             PASSED
[2025-08-29 10:36:58] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:36:58] [info] Unconnected Pins:       100
[2025-08-29 10:36:58] [info] Total Errors:           23
[2025-08-29 10:36:58] [info] Total Warnings:         4071
[2025-08-29 10:36:58] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:01] [info] =====
[2025-08-29 10:37:01] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:01] [info] =====

[2025-08-29 10:37:01] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:01] [info] Run Start Time:      10:36:59 AM
[2025-08-29 10:37:01] [info] Run End Time:        10:37:01 AM
[2025-08-29 10:37:01] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:37:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:01] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:01] [info] User Name:           kuro
[2025-08-29 10:37:01] [info] Cores Used:          1
[2025-08-29 10:37:01] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info]           Top Cell Match
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:37:01] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info]           Performance Metrics
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:01] [info] |-----|-----|
[2025-08-29 10:37:01] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-29 10:37:01] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:01] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info]           Additional Details
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:37:01] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:37:01] [info] Database Format:        GDSII
[2025-08-29 10:37:01] [info] Verification Mode:     Full Check
[2025-08-29 10:37:01] [info] Error Reporting:       Enabled

[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info]           Type of Errors | Count
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info] DB_WARN -> 1
[2025-08-29 10:37:01] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:01] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:01] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:01] [info] SVS_ERR005 -> 21
[2025-08-29 10:37:01] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:01] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info]           Summary
[2025-08-29 10:37:01] [info] -----
[2025-08-29 10:37:01] [info] SVS Status:            PASSED
[2025-08-29 10:37:01] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:01] [info] Unconnected Pins:      100
[2025-08-29 10:37:01] [info] Total Errors:           26
[2025-08-29 10:37:01] [info] Total Warnings:         4071
[2025-08-29 10:37:01] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:03] [info] =====
[2025-08-29 10:37:03] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:03] [info] =====

[2025-08-29 10:37:03] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:03] [info] Run Start Time: 10:37:02 AM
[2025-08-29 10:37:03] [info] Run End Time: 10:37:03 AM
[2025-08-29 10:37:03] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:37:03] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:03] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:03] [info] User Name: kuro
[2025-08-29 10:37:03] [info] Cores Used: 1
[2025-08-29 10:37:03] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Top Cell Match
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Schematic Top Cell1: aes_cipher_top
[2025-08-29 10:37:03] [info] Schematic Top Cell2: aes_cipher_top
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Performance Metrics
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] | Stage | Time Taken |
[2025-08-29 10:37:03] [info] |-----|-----|
[2025-08-29 10:37:03] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:37:03] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Additional Details
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:03] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:03] [info] Database Format: GDSII
[2025-08-29 10:37:03] [info] Verification Mode: Full Check
[2025-08-29 10:37:03] [info] Error Reporting: Enabled

[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Type of Errors | Count
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] DB_WARN -> 1
[2025-08-29 10:37:03] [info] VERI_WARN012 -> 510
[2025-08-29 10:37:03] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:03] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:03] [info] SVS_ERR005 -> 13
[2025-08-29 10:37:03] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:03] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] Summary
[2025-08-29 10:37:03] [info] -----
[2025-08-29 10:37:03] [info] SVS Status: PASSED
[2025-08-29 10:37:03] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:37:03] [info] Unconnected Pins: 100
[2025-08-29 10:37:03] [info] Total Errors: 18
[2025-08-29 10:37:03] [info] Total Warnings: 511
[2025-08-29 10:37:03] [info] Critical Issues: None

```

```

[2025-08-28 06:17:08] [info] =====
[2025-08-28 06:17:08] [info]             Schematic Versus Schematic Report
[2025-08-28 06:17:08] [info] =====

[2025-08-28 06:17:08] [info] Report Generated:    2025-08-28
[2025-08-28 06:17:08] [info] Run Start Time:      06:17:07 AM
[2025-08-28 06:17:08] [info] Run End Time:        06:17:08 AM
[2025-08-28 06:17:08] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:17:08] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:17:08] [info] Host Name:           kuro-Workstation
[2025-08-28 06:17:08] [info] User Name:           kuro
[2025-08-28 06:17:08] [info] Cores Used:          1
[2025-08-28 06:17:08] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info]             Top Cell Match
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-28 06:17:08] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info]             Performance Metrics
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info] | Stage                      | Time Taken |
[2025-08-28 06:17:08] [info] |-----|-----|
[2025-08-28 06:17:08] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 06:17:08] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 06:17:08] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info]             Additional Details
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info] Technology Node:         Nangate45 (45nm)
[2025-08-28 06:17:08] [info] Hierarchical Cells:      Flattened
[2025-08-28 06:17:08] [info] Database Format:          GDSII
[2025-08-28 06:17:08] [info] Verification Mode:       Full Check
[2025-08-28 06:17:08] [info] Error Reporting:         Enabled

[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info]             Type of Errors | Count
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info] DB_WARN -> 1
[2025-08-28 06:17:08] [info] VERI_WARN012 -> 510
[2025-08-28 06:17:08] [info] SVS_ERR020 -> 2
[2025-08-28 06:17:08] [info] SVS_ERR031 -> 1
[2025-08-28 06:17:08] [info] SVS_ERR005 -> 13
[2025-08-28 06:17:08] [info] SVS_ERR001 -> 1
[2025-08-28 06:17:08] [info] SVS_ERR002 -> 1
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info]             Summary
[2025-08-28 06:17:08] [info] -----
[2025-08-28 06:17:08] [info] SVS Status:              PASSED
[2025-08-28 06:17:08] [info] Instance Match Percentage: 99.96%
[2025-08-28 06:17:08] [info] Unconnected Pins:        100
[2025-08-28 06:17:08] [info] Total Errors:             18
[2025-08-28 06:17:08] [info] Total Warnings:           511
[2025-08-28 06:17:08] [info] Critical Issues:         None

```

```

[2025-08-29 10:37:04] [info] =====
[2025-08-29 10:37:04] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:04] [info] =====

[2025-08-29 10:37:04] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:04] [info] Run Start Time:      10:37:03 AM
[2025-08-29 10:37:04] [info] Run End Time:        10:37:04 AM
[2025-08-29 10:37:04] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:04] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:04] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:04] [info] User Name:           kuro
[2025-08-29 10:37:04] [info] Cores Used:          1
[2025-08-29 10:37:04] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info]           Top Cell Match
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info] Schematic Top Cell1:  aes_cipher_top
[2025-08-29 10:37:04] [info] Schematic Top Cell2:  aes_cipher_top
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info]           Performance Metrics
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:04] [info] |-----|-----|
[2025-08-29 10:37:04] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:37:04] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:04] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info]           Additional Details
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:04] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:04] [info] Database Format:         GDSII
[2025-08-29 10:37:04] [info] Verification Mode:      Full Check
[2025-08-29 10:37:04] [info] Error Reporting:        Enabled

[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info]           Type of Errors | Count
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info] DB_WARN -> 1
[2025-08-29 10:37:04] [info] VERI_WARN012 -> 510
[2025-08-29 10:37:04] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:04] [info] SVS_ERR005 -> 14
[2025-08-29 10:37:04] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:04] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info]           Summary
[2025-08-29 10:37:04] [info] -----
[2025-08-29 10:37:04] [info] SVS Status:             PASSED
[2025-08-29 10:37:04] [info] Instance Match Percentage: 99.96%
[2025-08-29 10:37:04] [info] Unconnected Pins:       100
[2025-08-29 10:37:04] [info] Total Errors:           17
[2025-08-29 10:37:04] [info] Total Warnings:         511
[2025-08-29 10:37:04] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:02] [info] =====
[2025-08-29 10:37:02] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:02] [info] =====

[2025-08-29 10:37:02] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:02] [info] Run Start Time:      10:37:02 AM
[2025-08-29 10:37:02] [info] Run End Time:        10:37:02 AM
[2025-08-29 10:37:02] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:02] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:02] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:02] [info] User Name:           kuro
[2025-08-29 10:37:02] [info] Cores Used:          1
[2025-08-29 10:37:02] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Top Cell Match
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Schematic Top Cell1:  gcd
[2025-08-29 10:37:02] [info] Schematic Top Cell2:  gcd
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Performance Metrics
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:02] [info] |-----|-----|
[2025-08-29 10:37:02] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Additional Details
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:37:02] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:37:02] [info] Database Format:        GDSII
[2025-08-29 10:37:02] [info] Verification Mode:     Full Check
[2025-08-29 10:37:02] [info] Error Reporting:       Enabled

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Type of Errors | Count
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] DB_WARN -> 1
[2025-08-29 10:37:02] [info] VERI_WARN012 -> 48
[2025-08-29 10:37:02] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR005 -> 16
[2025-08-29 10:37:02] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Summary
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] SVS Status:            PASSED
[2025-08-29 10:37:02] [info] Instance Match Percentage: 97.91%
[2025-08-29 10:37:02] [info] Unconnected Pins:      100
[2025-08-29 10:37:02] [info] Total Errors:          19
[2025-08-29 10:37:02] [info] Total Warnings:        49
[2025-08-29 10:37:02] [info] Critical Issues:       None

```

```

[2025-08-29 10:37:02] [info] =====
[2025-08-29 10:37:02] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:02] [info] =====

[2025-08-29 10:37:02] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:02] [info] Run Start Time:      10:37:02 AM
[2025-08-29 10:37:02] [info] Run End Time:        10:37:02 AM
[2025-08-29 10:37:02] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:02] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:02] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:02] [info] User Name:           kuro
[2025-08-29 10:37:02] [info] Cores Used:          1
[2025-08-29 10:37:02] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Top Cell Match
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Schematic Top Cell1: gcd
[2025-08-29 10:37:02] [info] Schematic Top Cell2: gcd
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Performance Metrics
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:02] [info] |-----|-----|
[2025-08-29 10:37:02] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Additional Details
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:02] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:02] [info] Database Format:         GDSII
[2025-08-29 10:37:02] [info] Verification Mode:      Full Check
[2025-08-29 10:37:02] [info] Error Reporting:        Enabled

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Type of Errors | Count
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] DB_WARN -> 1
[2025-08-29 10:37:02] [info] VERI_WARN012 -> 46
[2025-08-29 10:37:02] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR005 -> 15
[2025-08-29 10:37:02] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Summary
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] SVS Status:             PASSED
[2025-08-29 10:37:02] [info] Instance Match Percentage: 97.90%
[2025-08-29 10:37:02] [info] Unconnected Pins:       100
[2025-08-29 10:37:02] [info] Total Errors:           19
[2025-08-29 10:37:02] [info] Total Warnings:         47
[2025-08-29 10:37:02] [info] Critical Issues:        None

```

```
[2025-08-29 10:37:02] [info] =====
[2025-08-29 10:37:02] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:02] [info] =====

[2025-08-29 10:37:02] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:02] [info] Run Start Time:      10:37:02 AM
[2025-08-29 10:37:02] [info] Run End Time:        10:37:02 AM
[2025-08-29 10:37:02] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:02] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:02] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:02] [info] User Name:           kuro
[2025-08-29 10:37:02] [info] Cores Used:          1
[2025-08-29 10:37:02] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Top Cell Match
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Schematic Top Cell1:  gcd
[2025-08-29 10:37:02] [info] Schematic Top Cell2:  gcd
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Performance Metrics
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:02] [info] |-----|-----|
[2025-08-29 10:37:02] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:02] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Additional Details
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:02] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:02] [info] Database Format:         GDSII
[2025-08-29 10:37:02] [info] Verification Mode:      Full Check
[2025-08-29 10:37:02] [info] Error Reporting:        Enabled

[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Type of Errors | Count
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] DB_WARN -> 1
[2025-08-29 10:37:02] [info] VERI_WARN012 -> 44
[2025-08-29 10:37:02] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR005 -> 17
[2025-08-29 10:37:02] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:02] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info]           Summary
[2025-08-29 10:37:02] [info] -----
[2025-08-29 10:37:02] [info] SVS Status:             PASSED
[2025-08-29 10:37:02] [info] Instance Match Percentage: 97.67%
[2025-08-29 10:37:02] [info] Unconnected Pins:       100
[2025-08-29 10:37:02] [info] Total Errors:           20
[2025-08-29 10:37:02] [info] Total Warnings:         45
[2025-08-29 10:37:02] [info] Critical Issues:        None
```

```

[2025-08-29 10:37:05] [info] =====
[2025-08-29 10:37:05] [info]             Schematic Versus Schematic Report
[2025-08-29 10:37:05] [info] =====

[2025-08-29 10:37:05] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:05] [info] Run Start Time:      10:37:04 AM
[2025-08-29 10:37:05] [info] Run End Time:        10:37:05 AM
[2025-08-29 10:37:05] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:05] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:05] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:05] [info] User Name:           kuro
[2025-08-29 10:37:05] [info] Cores Used:          1
[2025-08-29 10:37:05] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info]             Top Cell Match
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info] Schematic Top Cell1:  ibex_core
[2025-08-29 10:37:05] [info] Schematic Top Cell2:  ibex_core
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info]             Performance Metrics
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:05] [info] |-----|-----|
[2025-08-29 10:37:05] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:05] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:05] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info]             Additional Details
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:37:05] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:37:05] [info] Database Format:        GDSII
[2025-08-29 10:37:05] [info] Verification Mode:     Full Check
[2025-08-29 10:37:05] [info] Error Reporting:       Enabled

[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info]             Type of Errors | Count
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info] DB_WARN -> 1
[2025-08-29 10:37:05] [info] VERI_WARN012 -> 830
[2025-08-29 10:37:05] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:05] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:05] [info] SVS_ERR005 -> 56
[2025-08-29 10:37:05] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:05] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info]             Summary
[2025-08-29 10:37:05] [info] -----
[2025-08-29 10:37:05] [info] SVS Status:            PASSED
[2025-08-29 10:37:05] [info] Instance Match Percentage: 99.84%
[2025-08-29 10:37:05] [info] Unconnected Pins:      100
[2025-08-29 10:37:05] [info] Total Errors:          61
[2025-08-29 10:37:05] [info] Total Warnings:         831
[2025-08-29 10:37:05] [info] Critical Issues:        None

```

```

[2025-08-28 06:17:11] [info] =====
[2025-08-28 06:17:11] [info]             Schematic Versus Schematic Report
[2025-08-28 06:17:11] [info] =====

[2025-08-28 06:17:11] [info] Report Generated:    2025-08-28
[2025-08-28 06:17:11] [info] Run Start Time:      06:17:10 AM
[2025-08-28 06:17:11] [info] Run End Time:        06:17:11 AM
[2025-08-28 06:17:11] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 06:17:11] [info] Tool Version:        LVR_2025.1
[2025-08-28 06:17:11] [info] Host Name:           kuro-Workstation
[2025-08-28 06:17:11] [info] User Name:           kuro
[2025-08-28 06:17:11] [info] Cores Used:          1
[2025-08-28 06:17:11] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info]             Top Cell Match
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info] Schematic Top Cell1:  ibex_core
[2025-08-28 06:17:11] [info] Schematic Top Cell2:  ibex_core
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info]             Performance Metrics
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info] | Stage                  | Time Taken |
[2025-08-28 06:17:11] [info] |-----|-----|
[2025-08-28 06:17:11] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 06:17:11] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 06:17:11] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info]             Additional Details
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info] Technology Node:       Nangate45 (45nm)
[2025-08-28 06:17:11] [info] Hierarchical Cells:    Flattened
[2025-08-28 06:17:11] [info] Database Format:        GDSII
[2025-08-28 06:17:11] [info] Verification Mode:     Full Check
[2025-08-28 06:17:11] [info] Error Reporting:       Enabled

[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info]             Type of Errors | Count
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info] DB_WARN -> 1
[2025-08-28 06:17:11] [info] VERI_WARN012 -> 830
[2025-08-28 06:17:11] [info] SVS_ERR020 -> 2
[2025-08-28 06:17:11] [info] SVS_ERR031 -> 1
[2025-08-28 06:17:11] [info] SVS_ERR005 -> 56
[2025-08-28 06:17:11] [info] SVS_ERR001 -> 1
[2025-08-28 06:17:11] [info] SVS_ERR002 -> 1
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info]             Summary
[2025-08-28 06:17:11] [info] -----
[2025-08-28 06:17:11] [info] SVS Status:            PASSED
[2025-08-28 06:17:11] [info] Instance Match Percentage: 99.84%
[2025-08-28 06:17:11] [info] Unconnected Pins:      100
[2025-08-28 06:17:11] [info] Total Errors:          61
[2025-08-28 06:17:11] [info] Total Warnings:         831
[2025-08-28 06:17:11] [info] Critical Issues:        None

```

```

[2025-08-29 10:37:06] [info] =====
[2025-08-29 10:37:06] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:06] [info] =====

[2025-08-29 10:37:06] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:06] [info] Run Start Time: 10:37:06 AM
[2025-08-29 10:37:06] [info] Run End Time: 10:37:06 AM
[2025-08-29 10:37:06] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:37:06] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:06] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:06] [info] User Name: kuro
[2025-08-29 10:37:06] [info] Cores Used: 1
[2025-08-29 10:37:06] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Top Cell Match
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Schematic Top Cell1: ibex_core
[2025-08-29 10:37:06] [info] Schematic Top Cell2: ibex_core
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Performance Metrics
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] | Stage | Time Taken |
[2025-08-29 10:37:06] [info] |-----|-----|
[2025-08-29 10:37:06] [info] | Netlist Parsing | 0 minutes 0 seconds |
[2025-08-29 10:37:06] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:06] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Additional Details
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:06] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:06] [info] Database Format: GDSII
[2025-08-29 10:37:06] [info] Verification Mode: Full Check
[2025-08-29 10:37:06] [info] Error Reporting: Enabled

[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Type of Errors | Count
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] DB_WARN -> 1
[2025-08-29 10:37:06] [info] VERI_WARN012 -> 830
[2025-08-29 10:37:06] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:06] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:06] [info] SVS_ERR005 -> 55
[2025-08-29 10:37:06] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:06] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] Summary
[2025-08-29 10:37:06] [info] -----
[2025-08-29 10:37:06] [info] SVS Status: PASSED
[2025-08-29 10:37:06] [info] Instance Match Percentage: 99.71%
[2025-08-29 10:37:06] [info] Unconnected Pins: 100
[2025-08-29 10:37:06] [info] Total Errors: 59
[2025-08-29 10:37:06] [info] Total Warnings: 831
[2025-08-29 10:37:06] [info] Critical Issues: None

```

```

[2025-08-29 10:37:09] [info] =====
[2025-08-29 10:37:09] [info] Schematic Versus Schematic Report
[2025-08-29 10:37:09] [info] =====

[2025-08-29 10:37:09] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:09] [info] Run Start Time: 10:37:07 AM
[2025-08-29 10:37:09] [info] Run End Time: 10:37:09 AM
[2025-08-29 10:37:09] [info] Time Taken: 0 minutes 2 seconds

[2025-08-29 10:37:09] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:09] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:09] [info] User Name: kuro
[2025-08-29 10:37:09] [info] Cores Used: 1
[2025-08-29 10:37:09] [info] Memory Utilized: 0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Top Cell Match
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Schematic Top Cell1: jpeg_encoder
[2025-08-29 10:37:09] [info] Schematic Top Cell2: jpeg_encoder
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Performance Metrics
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] | Stage | Time Taken |
[2025-08-29 10:37:09] [info] |-----|-----|
[2025-08-29 10:37:09] [info] | Netlist Parsing | 0 minutes 2 seconds |
[2025-08-29 10:37:09] [info] | Device Matching | 0 minutes 0 seconds |
[2025-08-29 10:37:09] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Additional Details
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:09] [info] Hierarchical Cells: Flattened
[2025-08-29 10:37:09] [info] Database Format: GDSII
[2025-08-29 10:37:09] [info] Verification Mode: Full Check
[2025-08-29 10:37:09] [info] Error Reporting: Enabled

[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Type of Errors | Count
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] DB_WARN -> 1
[2025-08-29 10:37:09] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:09] [info] SVS_ERR020 -> 1
[2025-08-29 10:37:09] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:09] [info] SVS_ERR005 -> 20
[2025-08-29 10:37:09] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:09] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] Summary
[2025-08-29 10:37:09] [info] -----
[2025-08-29 10:37:09] [info] SVS Status: PASSED
[2025-08-29 10:37:09] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:09] [info] Unconnected Pins: 100
[2025-08-29 10:37:09] [info] Total Errors: 24
[2025-08-29 10:37:09] [info] Total Warnings: 4071
[2025-08-29 10:37:09] [info] Critical Issues: None

```

```

[2025-08-29 10:37:12] [info] =====
[2025-08-29 10:37:12] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:12] [info] =====

[2025-08-29 10:37:12] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:12] [info] Run Start Time:      10:37:10 AM
[2025-08-29 10:37:12] [info] Run End Time:        10:37:12 AM
[2025-08-29 10:37:12] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:37:12] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:12] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:12] [info] User Name:           kuro
[2025-08-29 10:37:12] [info] Cores Used:          1
[2025-08-29 10:37:12] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info]           Top Cell Match
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:37:12] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info]           Performance Metrics
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:12] [info] |-----|-----|
[2025-08-29 10:37:12] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-29 10:37:12] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-29 10:37:12] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info]           Additional Details
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info] Technology Node:        Nangate45 (45nm)
[2025-08-29 10:37:12] [info] Hierarchical Cells:     Flattened
[2025-08-29 10:37:12] [info] Database Format:         GDSII
[2025-08-29 10:37:12] [info] Verification Mode:      Full Check
[2025-08-29 10:37:12] [info] Error Reporting:        Enabled

[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info]           Type of Errors | Count
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info] DB_WARN -> 1
[2025-08-29 10:37:12] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:12] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:12] [info] SVS_ERR005 -> 20
[2025-08-29 10:37:12] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:12] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info]           Summary
[2025-08-29 10:37:12] [info] -----
[2025-08-29 10:37:12] [info] SVS Status:             PASSED
[2025-08-29 10:37:12] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:12] [info] Unconnected Pins:       100
[2025-08-29 10:37:12] [info] Total Errors:           23
[2025-08-29 10:37:12] [info] Total Warnings:         4071
[2025-08-29 10:37:12] [info] Critical Issues:        None

```



```

[2025-08-29 10:37:15] [info] =====
[2025-08-29 10:37:15] [info]           Schematic Versus Schematic Report
[2025-08-29 10:37:15] [info] =====

[2025-08-29 10:37:15] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:15] [info] Run Start Time:      10:37:13 AM
[2025-08-29 10:37:15] [info] Run End Time:        10:37:15 AM
[2025-08-29 10:37:15] [info] Time Taken:          0 minutes 2 seconds

[2025-08-29 10:37:15] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:15] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:15] [info] User Name:           kuro
[2025-08-29 10:37:15] [info] Cores Used:          1
[2025-08-29 10:37:15] [info] Memory Utilized:     0.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info]           Top Cell Match
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info] Schematic Top Cell1:  jpeg_encoder
[2025-08-29 10:37:15] [info] Schematic Top Cell2:  jpeg_encoder
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info]           Performance Metrics
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info] | Stage                  | Time Taken |
[2025-08-29 10:37:15] [info] |-----|-----|
[2025-08-29 10:37:15] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-29 10:37:15] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-29 10:37:15] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info]           Additional Details
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:37:15] [info] Hierarchical Cells:    Flattened
[2025-08-29 10:37:15] [info] Database Format:        GDSII
[2025-08-29 10:37:15] [info] Verification Mode:     Full Check
[2025-08-29 10:37:15] [info] Error Reporting:       Enabled

[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info]           Type of Errors | Count
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info] DB_WARN -> 1
[2025-08-29 10:37:15] [info] VERI_WARN012 -> 4070
[2025-08-29 10:37:15] [info] SVS_ERR020 -> 2
[2025-08-29 10:37:15] [info] SVS_ERR031 -> 1
[2025-08-29 10:37:15] [info] SVS_ERR005 -> 21
[2025-08-29 10:37:15] [info] SVS_ERR001 -> 1
[2025-08-29 10:37:15] [info] SVS_ERR002 -> 1
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info]           Summary
[2025-08-29 10:37:15] [info] -----
[2025-08-29 10:37:15] [info] SVS Status:            PASSED
[2025-08-29 10:37:15] [info] Instance Match Percentage: 99.98%
[2025-08-29 10:37:15] [info] Unconnected Pins:      100
[2025-08-29 10:37:15] [info] Total Errors:           26
[2025-08-29 10:37:15] [info] Total Warnings:         4071
[2025-08-29 10:37:15] [info] Critical Issues:        None

```

```

[2025-08-28 04:59:00] [info] =====
[2025-08-28 04:59:00] [info]           Schematic Versus Schematic Report
[2025-08-28 04:59:00] [info] =====

[2025-08-28 04:59:00] [info] Report Generated:    2025-08-28
[2025-08-28 04:59:00] [info] Run Start Time:      04:59:00 AM
[2025-08-28 04:59:00] [info] Run End Time:        04:59:00 AM
[2025-08-28 04:59:00] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 04:59:00] [info] Tool Version:        LVR_2025.1
[2025-08-28 04:59:00] [info] Host Name:           kuro-Workstation
[2025-08-28 04:59:00] [info] User Name:           kuro
[2025-08-28 04:59:00] [info] Cores Used:          1
[2025-08-28 04:59:00] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info]           Top Cell Match
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info] Schematic Top Cell1: gcd1_sky130hd
[2025-08-28 04:59:00] [info] Schematic Top Cell2: gcd1_sky130hd
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info]           Performance Metrics
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info] | Stage                  | Time Taken |
[2025-08-28 04:59:00] [info] |-----|-----|
[2025-08-28 04:59:00] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 04:59:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 04:59:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info]           Additional Details
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 04:59:00] [info] Hierarchical Cells:    Flattened
[2025-08-28 04:59:00] [info] Database Format:        GDSII
[2025-08-28 04:59:00] [info] Verification Mode:     Full Check
[2025-08-28 04:59:00] [info] Error Reporting:       Enabled

[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info]           Type of Errors | Count
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info] DB_WARN -> 1
[2025-08-28 04:59:00] [info] LRF_ERR001 -> 14
[2025-08-28 04:59:00] [info] VERI_WARN012 -> 8
[2025-08-28 04:59:00] [info] SVS_ERR020 -> 2
[2025-08-28 04:59:00] [info] SVS_ERR031 -> 1
[2025-08-28 04:59:00] [info] SVS_ERR005 -> 16
[2025-08-28 04:59:00] [info] SVS_ERR001 -> 1
[2025-08-28 04:59:00] [info] SVS_ERR002 -> 1
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info]           Summary
[2025-08-28 04:59:00] [info] -----
[2025-08-28 04:59:00] [info] SVS Status:            PASSED
[2025-08-28 04:59:00] [info] Instance Match Percentage: 97.26%
[2025-08-28 04:59:00] [info] Unconnected Pins:      100
[2025-08-28 04:59:00] [info] Total Errors:           35
[2025-08-28 04:59:00] [info] Total Warnings:         9
[2025-08-28 04:59:00] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:22] [info] =====
[2025-08-28 20:28:22] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:22] [info] =====

[2025-08-28 20:28:22] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:22] [info] Run Start Time:      08:28:21 PM
[2025-08-28 20:28:22] [info] Run End Time:        08:28:22 PM
[2025-08-28 20:28:22] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:22] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:22] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:22] [info] User Name:           kuro
[2025-08-28 20:28:22] [info] Cores Used:          1
[2025-08-28 20:28:22] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info]             Top Cell Match
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info] Schematic Top Cell1: aes_cipher_top2_sky130hd
[2025-08-28 20:28:22] [info] Schematic Top Cell2: aes_cipher_top2_sky130hd
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info]             Performance Metrics
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:22] [info] |-----|-----|
[2025-08-28 20:28:22] [info] | Netlist Parsing            | 0 minutes 1 seconds |
[2025-08-28 20:28:22] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:22] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info]             Additional Details
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:22] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:22] [info] Database Format:           GDSII
[2025-08-28 20:28:22] [info] Verification Mode:        Full Check
[2025-08-28 20:28:22] [info] Error Reporting:          Enabled

[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info]             Type of Errors | Count
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info] DB_WARN -> 1
[2025-08-28 20:28:22] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:22] [info] VERI_WARN012 -> 75
[2025-08-28 20:28:22] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:22] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:22] [info] SVS_ERR005 -> 14
[2025-08-28 20:28:22] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:22] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info]             Summary
[2025-08-28 20:28:22] [info] -----
[2025-08-28 20:28:22] [info] SVS Status:               PASSED
[2025-08-28 20:28:22] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:22] [info] Unconnected Pins:         100
[2025-08-28 20:28:22] [info] Total Errors:              33
[2025-08-28 20:28:22] [info] Total Warnings:            76
[2025-08-28 20:28:22] [info] Critical Issues:           None

```

```

[2025-08-28 20:28:24] [info] =====
[2025-08-28 20:28:24] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:24] [info] =====

[2025-08-28 20:28:24] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:24] [info] Run Start Time:      08:28:23 PM
[2025-08-28 20:28:24] [info] Run End Time:        08:28:24 PM
[2025-08-28 20:28:24] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:24] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:24] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:24] [info] User Name:           kuro
[2025-08-28 20:28:24] [info] Cores Used:          1
[2025-08-28 20:28:24] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info]             Top Cell Match
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info] Schematic Top Cell1: aes_cipher_top3_sky130hd
[2025-08-28 20:28:24] [info] Schematic Top Cell2: aes_cipher_top3_sky130hd
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info]             Performance Metrics
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:24] [info] |-----|-----|
[2025-08-28 20:28:24] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:28:24] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:24] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info]             Additional Details
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:24] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:24] [info] Database Format:           GDSII
[2025-08-28 20:28:24] [info] Verification Mode:        Full Check
[2025-08-28 20:28:24] [info] Error Reporting:          Enabled

[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info]             Type of Errors | Count
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info] DB_WARN -> 1
[2025-08-28 20:28:24] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:24] [info] VERI_WARN012 -> 69
[2025-08-28 20:28:24] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:24] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:24] [info] SVS_ERR005 -> 13
[2025-08-28 20:28:24] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:24] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info]             Summary
[2025-08-28 20:28:24] [info] -----
[2025-08-28 20:28:24] [info] SVS Status:               PASSED
[2025-08-28 20:28:24] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:24] [info] Unconnected Pins:         100
[2025-08-28 20:28:24] [info] Total Errors:              32
[2025-08-28 20:28:24] [info] Total Warnings:            70
[2025-08-28 20:28:24] [info] Critical Issues:           None

```

```

[2025-08-28 20:28:20] [info] =====
[2025-08-28 20:28:20] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:20] [info] =====

[2025-08-28 20:28:20] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:20] [info] Run Start Time:      08:28:20 PM
[2025-08-28 20:28:20] [info] Run End Time:        08:28:20 PM
[2025-08-28 20:28:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:20] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:20] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:20] [info] User Name:           kuro
[2025-08-28 20:28:20] [info] Cores Used:          1
[2025-08-28 20:28:20] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Top Cell Match
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Schematic Top Cell1: gcd1_sky130hd
[2025-08-28 20:28:20] [info] Schematic Top Cell2: gcd1_sky130hd
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Performance Metrics
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:20] [info] |-----|-----|
[2025-08-28 20:28:20] [info] | Netlist Parsing             | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Device Matching             | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Report Generation           | 0 minutes 0 seconds |

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Additional Details
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:20] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:20] [info] Database Format:           GDSII
[2025-08-28 20:28:20] [info] Verification Mode:        Full Check
[2025-08-28 20:28:20] [info] Error Reporting:          Enabled

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Type of Errors | Count
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] DB_WARN -> 1
[2025-08-28 20:28:20] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:20] [info] VERI_WARN012 -> 8
[2025-08-28 20:28:20] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:20] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:20] [info] SVS_ERR005 -> 16
[2025-08-28 20:28:20] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:20] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Summary
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] SVS Status:              PASSED
[2025-08-28 20:28:20] [info] Instance Match Percentage: 97.26%
[2025-08-28 20:28:20] [info] Unconnected Pins:        100
[2025-08-28 20:28:20] [info] Total Errors:            35
[2025-08-28 20:28:20] [info] Total Warnings:          9
[2025-08-28 20:28:20] [info] Critical Issues:         None

```

```

[2025-08-28 20:28:20] [info] =====
[2025-08-28 20:28:20] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:20] [info] =====

[2025-08-28 20:28:20] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:20] [info] Run Start Time:      08:28:20 PM
[2025-08-28 20:28:20] [info] Run End Time:        08:28:20 PM
[2025-08-28 20:28:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:20] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:20] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:20] [info] User Name:           kuro
[2025-08-28 20:28:20] [info] Cores Used:          1
[2025-08-28 20:28:20] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Top Cell Match
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Schematic Top Cell1:  gcd2_sky130hd
[2025-08-28 20:28:20] [info] Schematic Top Cell2:  gcd2_sky130hd
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Performance Metrics
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:20] [info] |-----|-----|
[2025-08-28 20:28:20] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Additional Details
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:20] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:20] [info] Database Format:        GDSII
[2025-08-28 20:28:20] [info] Verification Mode:     Full Check
[2025-08-28 20:28:20] [info] Error Reporting:       Enabled

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Type of Errors | Count
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] DB_WARN -> 1
[2025-08-28 20:28:20] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:20] [info] VERI_WARN012 -> 10
[2025-08-28 20:28:20] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:20] [info] SVS_ERR005 -> 17
[2025-08-28 20:28:20] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:20] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Summary
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] SVS Status:            PASSED
[2025-08-28 20:28:20] [info] Instance Match Percentage: 96.86%
[2025-08-28 20:28:20] [info] Unconnected Pins:      100
[2025-08-28 20:28:20] [info] Total Errors:          34
[2025-08-28 20:28:20] [info] Total Warnings:        11
[2025-08-28 20:28:20] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:20] [info] =====
[2025-08-28 20:28:20] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:20] [info] =====

[2025-08-28 20:28:20] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:20] [info] Run Start Time:      08:28:20 PM
[2025-08-28 20:28:20] [info] Run End Time:        08:28:20 PM
[2025-08-28 20:28:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:20] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:20] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:20] [info] User Name:           kuro
[2025-08-28 20:28:20] [info] Cores Used:          1
[2025-08-28 20:28:20] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Top Cell Match
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Schematic Top Cell1: gcd3_sky130hd
[2025-08-28 20:28:20] [info] Schematic Top Cell2: gcd3_sky130hd
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Performance Metrics
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:20] [info] |-----|-----|
[2025-08-28 20:28:20] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:20] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Additional Details
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:20] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:20] [info] Database Format:        GDSII
[2025-08-28 20:28:20] [info] Verification Mode:     Full Check
[2025-08-28 20:28:20] [info] Error Reporting:       Enabled

[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Type of Errors | Count
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] DB_WARN -> 1
[2025-08-28 20:28:20] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:20] [info] VERI_WARN012 -> 12
[2025-08-28 20:28:20] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:20] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:20] [info] SVS_ERR005 -> 43
[2025-08-28 20:28:20] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info]             Summary
[2025-08-28 20:28:20] [info] -----
[2025-08-28 20:28:20] [info] SVS Status:            PASSED
[2025-08-28 20:28:20] [info] Instance Match Percentage: 86.89%
[2025-08-28 20:28:20] [info] Unconnected Pins:      100
[2025-08-28 20:28:20] [info] Total Errors:          61
[2025-08-28 20:28:20] [info] Total Warnings:        13
[2025-08-28 20:28:20] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:25] [info] =====
[2025-08-28 20:28:25] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:25] [info] =====

[2025-08-28 20:28:25] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:25] [info] Run Start Time:      08:28:24 PM
[2025-08-28 20:28:25] [info] Run End Time:        08:28:25 PM
[2025-08-28 20:28:25] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:25] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:25] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:25] [info] User Name:           kuro
[2025-08-28 20:28:25] [info] Cores Used:          1
[2025-08-28 20:28:25] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info]           Top Cell Match
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info] Schematic Top Cell1:  ibex_core1_sky130hd
[2025-08-28 20:28:25] [info] Schematic Top Cell2:  ibex_core1_sky130hd
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info]           Performance Metrics
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:25] [info] |-----|-----|
[2025-08-28 20:28:25] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:25] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:25] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info]           Additional Details
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:25] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:25] [info] Database Format:        GDSII
[2025-08-28 20:28:25] [info] Verification Mode:     Full Check
[2025-08-28 20:28:25] [info] Error Reporting:       Enabled

[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info]           Type of Errors | Count
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info] DB_WARN -> 1
[2025-08-28 20:28:25] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:25] [info] VERI_WARN012 -> 67
[2025-08-28 20:28:25] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:25] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:25] [info] SVS_ERR005 -> 57
[2025-08-28 20:28:25] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:25] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info]           Summary
[2025-08-28 20:28:25] [info] -----
[2025-08-28 20:28:25] [info] SVS Status:            PASSED
[2025-08-28 20:28:25] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:28:25] [info] Unconnected Pins:      100
[2025-08-28 20:28:25] [info] Total Errors:          76
[2025-08-28 20:28:25] [info] Total Warnings:        68
[2025-08-28 20:28:25] [info] Critical Issues:       None

```



```

[2025-08-28 20:28:26] [info] =====
[2025-08-28 20:28:26] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:26] [info] =====

[2025-08-28 20:28:26] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:26] [info] Run Start Time:      08:28:25 PM
[2025-08-28 20:28:26] [info] Run End Time:        08:28:26 PM
[2025-08-28 20:28:26] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:26] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:26] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:26] [info] User Name:           kuro
[2025-08-28 20:28:26] [info] Cores Used:          1
[2025-08-28 20:28:26] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info]             Top Cell Match
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info] Schematic Top Cell1:  ibex_core2_sky130hd
[2025-08-28 20:28:26] [info] Schematic Top Cell2:  ibex_core2_sky130hd
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info]             Performance Metrics
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:26] [info] |-----|-----|
[2025-08-28 20:28:26] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:26] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:26] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info]             Additional Details
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:26] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:26] [info] Database Format:        GDSII
[2025-08-28 20:28:26] [info] Verification Mode:     Full Check
[2025-08-28 20:28:26] [info] Error Reporting:       Enabled

[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info]             Type of Errors | Count
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info] DB_WARN -> 1
[2025-08-28 20:28:26] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:26] [info] VERI_WARN012 -> 61
[2025-08-28 20:28:26] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:26] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:26] [info] SVS_ERR005 -> 58
[2025-08-28 20:28:26] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:26] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info]             Summary
[2025-08-28 20:28:26] [info] -----
[2025-08-28 20:28:26] [info] SVS Status:           PASSED
[2025-08-28 20:28:26] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:28:26] [info] Unconnected Pins:      100
[2025-08-28 20:28:26] [info] Total Errors:          77
[2025-08-28 20:28:26] [info] Total Warnings:        62
[2025-08-28 20:28:26] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:28] [info] =====
[2025-08-28 20:28:28] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:28] [info] =====

[2025-08-28 20:28:28] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:28] [info] Run Start Time:      08:28:27 PM
[2025-08-28 20:28:28] [info] Run End Time:        08:28:28 PM
[2025-08-28 20:28:28] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:28] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:28] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:28] [info] User Name:           kuro
[2025-08-28 20:28:28] [info] Cores Used:          1
[2025-08-28 20:28:28] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info]           Top Cell Match
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info] Schematic Top Cell1:  ibex_core3_sky130hd
[2025-08-28 20:28:28] [info] Schematic Top Cell2:  ibex_core3_sky130hd
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info]           Performance Metrics
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:28] [info] |-----|-----|
[2025-08-28 20:28:28] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:28:28] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:28:28] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info]           Additional Details
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:28] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:28] [info] Database Format:        GDSII
[2025-08-28 20:28:28] [info] Verification Mode:     Full Check
[2025-08-28 20:28:28] [info] Error Reporting:       Enabled

[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info]           Type of Errors | Count
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info] DB_WARN -> 1
[2025-08-28 20:28:28] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:28] [info] VERI_WARN012 -> 105
[2025-08-28 20:28:28] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:28] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:28] [info] SVS_ERR005 -> 46
[2025-08-28 20:28:28] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info]           Summary
[2025-08-28 20:28:28] [info] -----
[2025-08-28 20:28:28] [info] SVS Status:            PASSED
[2025-08-28 20:28:28] [info] Instance Match Percentage: 99.76%
[2025-08-28 20:28:28] [info] Unconnected Pins:      100
[2025-08-28 20:28:28] [info] Total Errors:          64
[2025-08-28 20:28:28] [info] Total Warnings:        106
[2025-08-28 20:28:28] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:31] [info] =====
[2025-08-28 20:28:31] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:31] [info] =====

[2025-08-28 20:28:31] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:31] [info] Run Start Time:      08:28:28 PM
[2025-08-28 20:28:31] [info] Run End Time:        08:28:31 PM
[2025-08-28 20:28:31] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:28:31] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:31] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:31] [info] User Name:           kuro
[2025-08-28 20:28:31] [info] Cores Used:          1
[2025-08-28 20:28:31] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info]             Top Cell Match
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info] Schematic Top Cell1: jpeg_encoder1_sky130hd
[2025-08-28 20:28:31] [info] Schematic Top Cell2: jpeg_encoder1_sky130hd
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info]             Performance Metrics
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:31] [info] |-----|-----|
[2025-08-28 20:28:31] [info] | Netlist Parsing            | 0 minutes 2 seconds |
[2025-08-28 20:28:31] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:31] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info]             Additional Details
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:31] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:31] [info] Database Format:           GDSII
[2025-08-28 20:28:31] [info] Verification Mode:        Full Check
[2025-08-28 20:28:31] [info] Error Reporting:          Enabled

[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info]             Type of Errors | Count
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info] DB_WARN -> 1
[2025-08-28 20:28:31] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:31] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:31] [info] SVS_ERR020 -> 1
[2025-08-28 20:28:31] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:31] [info] SVS_ERR005 -> 24
[2025-08-28 20:28:31] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:31] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info]             Summary
[2025-08-28 20:28:31] [info] -----
[2025-08-28 20:28:31] [info] SVS Status:              PASSED
[2025-08-28 20:28:31] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:31] [info] Unconnected Pins:        100
[2025-08-28 20:28:31] [info] Total Errors:             42
[2025-08-28 20:28:31] [info] Total Warnings:           116
[2025-08-28 20:28:31] [info] Critical Issues:          None

```

```

[2025-08-28 20:28:36] [info] =====
[2025-08-28 20:28:36] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:36] [info] =====

[2025-08-28 20:28:36] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:36] [info] Run Start Time:      08:28:32 PM
[2025-08-28 20:28:36] [info] Run End Time:        08:28:36 PM
[2025-08-28 20:28:36] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:28:36] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:36] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:36] [info] User Name:           kuro
[2025-08-28 20:28:36] [info] Cores Used:          1
[2025-08-28 20:28:36] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info]             Top Cell Match
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info] Schematic Top Cell1:  jpeg_encoder2_sky130hd
[2025-08-28 20:28:36] [info] Schematic Top Cell2:  jpeg_encoder2_sky130hd
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info]             Performance Metrics
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:36] [info] |-----|-----|
[2025-08-28 20:28:36] [info] | Netlist Parsing        | 0 minutes 3 seconds |
[2025-08-28 20:28:36] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:36] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info]             Additional Details
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:36] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:36] [info] Database Format:        GDSII
[2025-08-28 20:28:36] [info] Verification Mode:     Full Check
[2025-08-28 20:28:36] [info] Error Reporting:       Enabled

[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info]             Type of Errors | Count
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info] DB_WARN -> 1
[2025-08-28 20:28:36] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:36] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:36] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:36] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:36] [info] SVS_ERR005 -> 19
[2025-08-28 20:28:36] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:36] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info]             Summary
[2025-08-28 20:28:36] [info] -----
[2025-08-28 20:28:36] [info] SVS Status:           PASSED
[2025-08-28 20:28:36] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:36] [info] Unconnected Pins:      100
[2025-08-28 20:28:36] [info] Total Errors:          38
[2025-08-28 20:28:36] [info] Total Warnings:        116
[2025-08-28 20:28:36] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:39] [info] =====
[2025-08-28 20:28:39] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:39] [info] =====

[2025-08-28 20:28:39] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:39] [info] Run Start Time:      08:28:36 PM
[2025-08-28 20:28:39] [info] Run End Time:        08:28:39 PM
[2025-08-28 20:28:39] [info] Time Taken:          0 minutes 2 seconds

[2025-08-28 20:28:39] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:39] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:39] [info] User Name:           kuro
[2025-08-28 20:28:39] [info] Cores Used:          1
[2025-08-28 20:28:39] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info]             Top Cell Match
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info] Schematic Top Cell1: jpeg_encoder3_sky130hd
[2025-08-28 20:28:39] [info] Schematic Top Cell2: jpeg_encoder3_sky130hd
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info]             Performance Metrics
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:39] [info] |-----|-----|
[2025-08-28 20:28:39] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-28 20:28:39] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:39] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info]             Additional Details
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:28:39] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:28:39] [info] Database Format:         GDSII
[2025-08-28 20:28:39] [info] Verification Mode:      Full Check
[2025-08-28 20:28:39] [info] Error Reporting:        Enabled

[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info]             Type of Errors | Count
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info] DB_WARN -> 1
[2025-08-28 20:28:39] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:39] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:39] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:39] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:39] [info] SVS_ERR005 -> 21
[2025-08-28 20:28:39] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:39] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info]             Summary
[2025-08-28 20:28:39] [info] -----
[2025-08-28 20:28:39] [info] SVS Status:            PASSED
[2025-08-28 20:28:39] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:39] [info] Unconnected Pins:      100
[2025-08-28 20:28:39] [info] Total Errors:          40
[2025-08-28 20:28:39] [info] Total Warnings:        116
[2025-08-28 20:28:39] [info] Critical Issues:        None

```

```
[2025-08-28 04:58:01] [info] =====
[2025-08-28 04:58:01] [info]           Schematic Versus Schematic Report
[2025-08-28 04:58:01] [info] =====

[2025-08-28 04:58:01] [info] Report Generated:    2025-08-28
[2025-08-28 04:58:01] [info] Run Start Time:      04:58:01 AM
[2025-08-28 04:58:01] [info] Run End Time:        04:58:01 AM
[2025-08-28 04:58:01] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 04:58:01] [info] Tool Version:        LVR_2025.1
[2025-08-28 04:58:01] [info] Host Name:           kuro-Workstation
[2025-08-28 04:58:01] [info] User Name:           kuro
[2025-08-28 04:58:01] [info] Cores Used:          1
[2025-08-28 04:58:01] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info]           Top Cell Match
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info] Schematic Top Cell1:  gcd1_sky130hd
[2025-08-28 04:58:01] [info] Schematic Top Cell2:  gcd1_sky130hd
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info]           Performance Metrics
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info] | Stage                  | Time Taken |
[2025-08-28 04:58:01] [info] |-----|-----|
[2025-08-28 04:58:01] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 04:58:01] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 04:58:01] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info]           Additional Details
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 04:58:01] [info] Hierarchical Cells:    Flattened
[2025-08-28 04:58:01] [info] Database Format:        GDSII
[2025-08-28 04:58:01] [info] Verification Mode:     Full Check
[2025-08-28 04:58:01] [info] Error Reporting:       Enabled

[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info]           Type of Errors | Count
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info] DB_WARN -> 1
[2025-08-28 04:58:01] [info] LRF_ERR001 -> 14
[2025-08-28 04:58:01] [info] VERI_WARN012 -> 8
[2025-08-28 04:58:01] [info] SVS_ERR020 -> 2
[2025-08-28 04:58:01] [info] SVS_ERR031 -> 1
[2025-08-28 04:58:01] [info] SVS_ERR005 -> 16
[2025-08-28 04:58:01] [info] SVS_ERR001 -> 1
[2025-08-28 04:58:01] [info] SVS_ERR002 -> 1
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info]           Summary
[2025-08-28 04:58:01] [info] -----
[2025-08-28 04:58:01] [info] SVS Status:           PASSED
[2025-08-28 04:58:01] [info] Instance Match Percentage: 97.26%
[2025-08-28 04:58:01] [info] Unconnected Pins:      100
[2025-08-28 04:58:01] [info] Total Errors:          35
[2025-08-28 04:58:01] [info] Total Warnings:         9
[2025-08-28 04:58:01] [info] Critical Issues:       None
```

```

[2025-08-28 20:27:23] [info] =====
[2025-08-28 20:27:23] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:23] [info] =====

[2025-08-28 20:27:23] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:23] [info] Run Start Time:      08:27:21 PM
[2025-08-28 20:27:23] [info] Run End Time:        08:27:23 PM
[2025-08-28 20:27:23] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:23] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:23] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:23] [info] User Name:           kuro
[2025-08-28 20:27:23] [info] Cores Used:          1
[2025-08-28 20:27:23] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info]             Top Cell Match
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info] Schematic Top Cell1:  aes_cipher_top2_sky130hd
[2025-08-28 20:27:23] [info] Schematic Top Cell2:  aes_cipher_top2_sky130hd
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info]             Performance Metrics
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:23] [info] |-----|-----|
[2025-08-28 20:27:23] [info] | Netlist Parsing            | 0 minutes 1 seconds |
[2025-08-28 20:27:23] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:23] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info]             Additional Details
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:23] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:23] [info] Database Format:         GDSII
[2025-08-28 20:27:23] [info] Verification Mode:      Full Check
[2025-08-28 20:27:23] [info] Error Reporting:        Enabled

[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info]             Type of Errors | Count
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info] DB_WARN -> 1
[2025-08-28 20:27:23] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:23] [info] VERI_WARN012 -> 75
[2025-08-28 20:27:23] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:23] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:23] [info] SVS_ERR005 -> 14
[2025-08-28 20:27:23] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:23] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info]             Summary
[2025-08-28 20:27:23] [info] -----
[2025-08-28 20:27:23] [info] SVS Status:            PASSED
[2025-08-28 20:27:23] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:23] [info] Unconnected Pins:      100
[2025-08-28 20:27:23] [info] Total Errors:          33
[2025-08-28 20:27:23] [info] Total Warnings:        76
[2025-08-28 20:27:23] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:25] [info] =====
[2025-08-28 20:27:25] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:25] [info] =====

[2025-08-28 20:27:25] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:25] [info] Run Start Time:      08:27:23 PM
[2025-08-28 20:27:25] [info] Run End Time:        08:27:25 PM
[2025-08-28 20:27:25] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:25] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:25] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:25] [info] User Name:           kuro
[2025-08-28 20:27:25] [info] Cores Used:          1
[2025-08-28 20:27:25] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info]             Top Cell Match
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info] Schematic Top Cell1:  aes_cipher_top3_sky130hd
[2025-08-28 20:27:25] [info] Schematic Top Cell2:  aes_cipher_top3_sky130hd
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info]             Performance Metrics
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:25] [info] |-----|-----|
[2025-08-28 20:27:25] [info] | Netlist Parsing        | 0 minutes 1 seconds |
[2025-08-28 20:27:25] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:25] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info]             Additional Details
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:25] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:25] [info] Database Format:        GDSII
[2025-08-28 20:27:25] [info] Verification Mode:     Full Check
[2025-08-28 20:27:25] [info] Error Reporting:       Enabled

[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info]             Type of Errors | Count
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info] DB_WARN -> 1
[2025-08-28 20:27:25] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:25] [info] VERI_WARN012 -> 69
[2025-08-28 20:27:25] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:25] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:25] [info] SVS_ERR005 -> 13
[2025-08-28 20:27:25] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:25] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info]             Summary
[2025-08-28 20:27:25] [info] -----
[2025-08-28 20:27:25] [info] SVS Status:            PASSED
[2025-08-28 20:27:25] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:25] [info] Unconnected Pins:      100
[2025-08-28 20:27:25] [info] Total Errors:           32
[2025-08-28 20:27:25] [info] Total Warnings:         70
[2025-08-28 20:27:25] [info] Critical Issues:        None

```



```

[2025-08-28 20:27:21] [info] =====
[2025-08-28 20:27:21] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:21] [info] =====

[2025-08-28 20:27:21] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:21] [info] Run Start Time:      08:27:21 PM
[2025-08-28 20:27:21] [info] Run End Time:        08:27:21 PM
[2025-08-28 20:27:21] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:21] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:21] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:21] [info] User Name:           kuro
[2025-08-28 20:27:21] [info] Cores Used:          1
[2025-08-28 20:27:21] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Top Cell Match
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Schematic Top Cell1: gcd1_sky130hd
[2025-08-28 20:27:21] [info] Schematic Top Cell2: gcd1_sky130hd
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Performance Metrics
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:21] [info] |-----|-----|
[2025-08-28 20:27:21] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Additional Details
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Technology Node:         SKY130HD (130nm)
[2025-08-28 20:27:21] [info] Hierarchical Cells:      Flattened
[2025-08-28 20:27:21] [info] Database Format:          GDSII
[2025-08-28 20:27:21] [info] Verification Mode:       Full Check
[2025-08-28 20:27:21] [info] Error Reporting:         Enabled

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Type of Errors | Count
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] DB_WARN -> 1
[2025-08-28 20:27:21] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:21] [info] VERI_WARN012 -> 8
[2025-08-28 20:27:21] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:21] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:21] [info] SVS_ERR005 -> 16
[2025-08-28 20:27:21] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:21] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Summary
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] SVS Status:              PASSED
[2025-08-28 20:27:21] [info] Instance Match Percentage: 97.26%
[2025-08-28 20:27:21] [info] Unconnected Pins:        100
[2025-08-28 20:27:21] [info] Total Errors:             35
[2025-08-28 20:27:21] [info] Total Warnings:           9
[2025-08-28 20:27:21] [info] Critical Issues:          None

```

```

[2025-08-28 20:27:21] [info] =====
[2025-08-28 20:27:21] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:21] [info] =====

[2025-08-28 20:27:21] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:21] [info] Run Start Time:      08:27:21 PM
[2025-08-28 20:27:21] [info] Run End Time:        08:27:21 PM
[2025-08-28 20:27:21] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:21] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:21] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:21] [info] User Name:           kuro
[2025-08-28 20:27:21] [info] Cores Used:          1
[2025-08-28 20:27:21] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]           Top Cell Match
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Schematic Top Cell1:  gcd2_sky130hd
[2025-08-28 20:27:21] [info] Schematic Top Cell2:  gcd2_sky130hd
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]           Performance Metrics
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:21] [info] |-----|-----|
[2025-08-28 20:27:21] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]           Additional Details
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:21] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:21] [info] Database Format:        GDSII
[2025-08-28 20:27:21] [info] Verification Mode:     Full Check
[2025-08-28 20:27:21] [info] Error Reporting:       Enabled

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]           Type of Errors | Count
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] DB_WARN -> 1
[2025-08-28 20:27:21] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:21] [info] VERI_WARN012 -> 10
[2025-08-28 20:27:21] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:21] [info] SVS_ERR005 -> 17
[2025-08-28 20:27:21] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:21] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]           Summary
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] SVS Status:            PASSED
[2025-08-28 20:27:21] [info] Instance Match Percentage: 96.86%
[2025-08-28 20:27:21] [info] Unconnected Pins:      100
[2025-08-28 20:27:21] [info] Total Errors:           34
[2025-08-28 20:27:21] [info] Total Warnings:         11
[2025-08-28 20:27:21] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:21] [info] =====
[2025-08-28 20:27:21] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:21] [info] =====

[2025-08-28 20:27:21] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:21] [info] Run Start Time:      08:27:21 PM
[2025-08-28 20:27:21] [info] Run End Time:        08:27:21 PM
[2025-08-28 20:27:21] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:21] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:21] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:21] [info] User Name:           kuro
[2025-08-28 20:27:21] [info] Cores Used:          1
[2025-08-28 20:27:21] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Top Cell Match
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Schematic Top Cell1:  gcd3_sky130hd
[2025-08-28 20:27:21] [info] Schematic Top Cell2:  gcd3_sky130hd
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Performance Metrics
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:21] [info] |-----|-----|
[2025-08-28 20:27:21] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:21] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Additional Details
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:21] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:21] [info] Database Format:         GDSII
[2025-08-28 20:27:21] [info] Verification Mode:      Full Check
[2025-08-28 20:27:21] [info] Error Reporting:        Enabled

[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Type of Errors | Count
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] DB_WARN -> 1
[2025-08-28 20:27:21] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:21] [info] VERI_WARN012 -> 12
[2025-08-28 20:27:21] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:21] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:21] [info] SVS_ERR005 -> 43
[2025-08-28 20:27:21] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info]             Summary
[2025-08-28 20:27:21] [info] -----
[2025-08-28 20:27:21] [info] SVS Status:             PASSED
[2025-08-28 20:27:21] [info] Instance Match Percentage: 86.89%
[2025-08-28 20:27:21] [info] Unconnected Pins:       100
[2025-08-28 20:27:21] [info] Total Errors:           61
[2025-08-28 20:27:21] [info] Total Warnings:         13
[2025-08-28 20:27:21] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:26] [info] =====
[2025-08-28 20:27:26] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:26] [info] =====

[2025-08-28 20:27:26] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:26] [info] Run Start Time:      08:27:25 PM
[2025-08-28 20:27:26] [info] Run End Time:        08:27:26 PM
[2025-08-28 20:27:26] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:26] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:26] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:26] [info] User Name:           kuro
[2025-08-28 20:27:26] [info] Cores Used:          1
[2025-08-28 20:27:26] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info]             Top Cell Match
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info] Schematic Top Cell1:  ibex_core1_sky130hd
[2025-08-28 20:27:26] [info] Schematic Top Cell2:  ibex_core1_sky130hd
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info]             Performance Metrics
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:26] [info] |-----|-----|
[2025-08-28 20:27:26] [info] | Netlist Parsing             | 0 minutes 0 seconds |
[2025-08-28 20:27:26] [info] | Device Matching             | 0 minutes 0 seconds |
[2025-08-28 20:27:26] [info] | Report Generation           | 0 minutes 0 seconds |

[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info]             Additional Details
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info] Technology Node:         SKY130HD (130nm)
[2025-08-28 20:27:26] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:26] [info] Database Format:         GDSII
[2025-08-28 20:27:26] [info] Verification Mode:      Full Check
[2025-08-28 20:27:26] [info] Error Reporting:        Enabled

[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info]             Type of Errors | Count
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info] DB_WARN -> 1
[2025-08-28 20:27:26] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:26] [info] VERI_WARN012 -> 67
[2025-08-28 20:27:26] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:26] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:26] [info] SVS_ERR005 -> 57
[2025-08-28 20:27:26] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:26] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info]             Summary
[2025-08-28 20:27:26] [info] -----
[2025-08-28 20:27:26] [info] SVS Status:             PASSED
[2025-08-28 20:27:26] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:27:26] [info] Unconnected Pins:       100
[2025-08-28 20:27:26] [info] Total Errors:           76
[2025-08-28 20:27:26] [info] Total Warnings:         68
[2025-08-28 20:27:26] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:27] [info] =====
[2025-08-28 20:27:27] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:27] [info] =====

[2025-08-28 20:27:27] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:27] [info] Run Start Time:      08:27:26 PM
[2025-08-28 20:27:27] [info] Run End Time:        08:27:27 PM
[2025-08-28 20:27:27] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:27] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:27] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:27] [info] User Name:           kuro
[2025-08-28 20:27:27] [info] Cores Used:          1
[2025-08-28 20:27:27] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info]             Top Cell Match
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info] Schematic Top Cell1:  ibex_core2_sky130hd
[2025-08-28 20:27:27] [info] Schematic Top Cell2:  ibex_core2_sky130hd
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info]             Performance Metrics
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:27] [info] |-----|-----|
[2025-08-28 20:27:27] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:27:27] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:27] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info]             Additional Details
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:27] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:27] [info] Database Format:         GDSII
[2025-08-28 20:27:27] [info] Verification Mode:      Full Check
[2025-08-28 20:27:27] [info] Error Reporting:        Enabled

[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info]             Type of Errors | Count
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info] DB_WARN -> 1
[2025-08-28 20:27:27] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:27] [info] VERI_WARN012 -> 61
[2025-08-28 20:27:27] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:27] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:27] [info] SVS_ERR005 -> 58
[2025-08-28 20:27:27] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:27] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info]             Summary
[2025-08-28 20:27:27] [info] -----
[2025-08-28 20:27:27] [info] SVS Status:             PASSED
[2025-08-28 20:27:27] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:27:27] [info] Unconnected Pins:       100
[2025-08-28 20:27:27] [info] Total Errors:           77
[2025-08-28 20:27:27] [info] Total Warnings:         62
[2025-08-28 20:27:27] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:29] [info] =====
[2025-08-28 20:27:29] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:29] [info] =====

[2025-08-28 20:27:29] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:29] [info] Run Start Time:      08:27:28 PM
[2025-08-28 20:27:29] [info] Run End Time:        08:27:29 PM
[2025-08-28 20:27:29] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:29] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:29] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:29] [info] User Name:           kuro
[2025-08-28 20:27:29] [info] Cores Used:          1
[2025-08-28 20:27:29] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info]             Top Cell Match
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info] Schematic Top Cell1:  ibex_core3_sky130hd
[2025-08-28 20:27:29] [info] Schematic Top Cell2:  ibex_core3_sky130hd
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info]             Performance Metrics
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:29] [info] |-----|-----|
[2025-08-28 20:27:29] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:27:29] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:29] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info]             Additional Details
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:29] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:29] [info] Database Format:        GDSII
[2025-08-28 20:27:29] [info] Verification Mode:     Full Check
[2025-08-28 20:27:29] [info] Error Reporting:       Enabled

[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info]             Type of Errors | Count
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info] DB_WARN -> 1
[2025-08-28 20:27:29] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:29] [info] VERI_WARN012 -> 105
[2025-08-28 20:27:29] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:29] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:29] [info] SVS_ERR005 -> 46
[2025-08-28 20:27:29] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info]             Summary
[2025-08-28 20:27:29] [info] -----
[2025-08-28 20:27:29] [info] SVS Status:           PASSED
[2025-08-28 20:27:29] [info] Instance Match Percentage: 99.76%
[2025-08-28 20:27:29] [info] Unconnected Pins:     100
[2025-08-28 20:27:29] [info] Total Errors:         64
[2025-08-28 20:27:29] [info] Total Warnings:       106
[2025-08-28 20:27:29] [info] Critical Issues:      None

```

```

[2025-08-28 20:27:32] [info] =====
[2025-08-28 20:27:32] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:32] [info] =====

[2025-08-28 20:27:32] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:32] [info] Run Start Time:      08:27:29 PM
[2025-08-28 20:27:32] [info] Run End Time:        08:27:32 PM
[2025-08-28 20:27:32] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:27:32] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:32] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:32] [info] User Name:           kuro
[2025-08-28 20:27:32] [info] Cores Used:          1
[2025-08-28 20:27:32] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info]           Top Cell Match
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info] Schematic Top Cell1: jpeg_encoder1_sky130hd
[2025-08-28 20:27:32] [info] Schematic Top Cell2: jpeg_encoder1_sky130hd
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info]           Performance Metrics
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:32] [info] |-----|-----|
[2025-08-28 20:27:32] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-28 20:27:32] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:32] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info]           Additional Details
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:32] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:32] [info] Database Format:         GDSII
[2025-08-28 20:27:32] [info] Verification Mode:      Full Check
[2025-08-28 20:27:32] [info] Error Reporting:        Enabled

[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info]           Type of Errors | Count
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info] DB_WARN -> 1
[2025-08-28 20:27:32] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:32] [info] VERI_WARN012 -> 115
[2025-08-28 20:27:32] [info] SVS_ERR020 -> 1
[2025-08-28 20:27:32] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:32] [info] SVS_ERR005 -> 24
[2025-08-28 20:27:32] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:32] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info]           Summary
[2025-08-28 20:27:32] [info] -----
[2025-08-28 20:27:32] [info] SVS Status:             PASSED
[2025-08-28 20:27:32] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:32] [info] Unconnected Pins:       100
[2025-08-28 20:27:32] [info] Total Errors:            42
[2025-08-28 20:27:32] [info] Total Warnings:          116
[2025-08-28 20:27:32] [info] Critical Issues:         None

```

```

[2025-08-28 20:27:37] [info] =====
[2025-08-28 20:27:37] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:37] [info] =====

[2025-08-28 20:27:37] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:37] [info] Run Start Time:      08:27:33 PM
[2025-08-28 20:27:37] [info] Run End Time:        08:27:37 PM
[2025-08-28 20:27:37] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:27:37] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:37] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:37] [info] User Name:           kuro
[2025-08-28 20:27:37] [info] Cores Used:          1
[2025-08-28 20:27:37] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info]           Top Cell Match
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info] Schematic Top Cell1:  jpeg_encoder2_sky130hd
[2025-08-28 20:27:37] [info] Schematic Top Cell2:  jpeg_encoder2_sky130hd
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info]           Performance Metrics
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:37] [info] |-----|-----|
[2025-08-28 20:27:37] [info] | Netlist Parsing         | 0 minutes 3 seconds |
[2025-08-28 20:27:37] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:37] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info]           Additional Details
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:37] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:37] [info] Database Format:        GDSII
[2025-08-28 20:27:37] [info] Verification Mode:     Full Check
[2025-08-28 20:27:37] [info] Error Reporting:       Enabled

[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info]           Type of Errors | Count
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info] DB_WARN -> 1
[2025-08-28 20:27:37] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:37] [info] VERI_WARN012 -> 115
[2025-08-28 20:27:37] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:37] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:37] [info] SVS_ERR005 -> 19
[2025-08-28 20:27:37] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:37] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info]           Summary
[2025-08-28 20:27:37] [info] -----
[2025-08-28 20:27:37] [info] SVS Status:            PASSED
[2025-08-28 20:27:37] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:37] [info] Unconnected Pins:      100
[2025-08-28 20:27:37] [info] Total Errors:          38
[2025-08-28 20:27:37] [info] Total Warnings:        116
[2025-08-28 20:27:37] [info] Critical Issues:       None

```

```

[2025-08-28 20:27:40] [info] =====
[2025-08-28 20:27:40] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:40] [info] =====

[2025-08-28 20:27:40] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:40] [info] Run Start Time:      08:27:37 PM
[2025-08-28 20:27:40] [info] Run End Time:        08:27:40 PM
[2025-08-28 20:27:40] [info] Time Taken:          0 minutes 2 seconds

[2025-08-28 20:27:40] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:40] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:40] [info] User Name:           kuro
[2025-08-28 20:27:40] [info] Cores Used:          1
[2025-08-28 20:27:40] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]           Top Cell Match
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Schematic Top Cell1:  jpeg_encoder3_sky130hd
[2025-08-28 20:27:40] [info] Schematic Top Cell2:  jpeg_encoder3_sky130hd
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]           Performance Metrics
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:40] [info] |-----|-----|
[2025-08-28 20:27:40] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-28 20:27:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]           Additional Details
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:40] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:40] [info] Database Format:        GDSII
[2025-08-28 20:27:40] [info] Verification Mode:     Full Check
[2025-08-28 20:27:40] [info] Error Reporting:       Enabled

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]           Type of Errors | Count
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] DB_WARN -> 1
[2025-08-28 20:27:40] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:40] [info] VERI_WARN012 -> 115
[2025-08-28 20:27:40] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:40] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR005 -> 21
[2025-08-28 20:27:40] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]           Summary
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] SVS Status:            PASSED
[2025-08-28 20:27:40] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:40] [info] Unconnected Pins:      100
[2025-08-28 20:27:40] [info] Total Errors:           40
[2025-08-28 20:27:40] [info] Total Warnings:         116
[2025-08-28 20:27:40] [info] Critical Issues:        None

```

```

[2025-08-28 04:58:21] [info] =====
[2025-08-28 04:58:21] [info]           Schematic Versus Schematic Report
[2025-08-28 04:58:21] [info] =====

[2025-08-28 04:58:21] [info] Report Generated:    2025-08-28
[2025-08-28 04:58:21] [info] Run Start Time:      04:58:21 AM
[2025-08-28 04:58:21] [info] Run End Time:        04:58:21 AM
[2025-08-28 04:58:21] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 04:58:21] [info] Tool Version:        LVR_2025.1
[2025-08-28 04:58:21] [info] Host Name:           kuro-Workstation
[2025-08-28 04:58:21] [info] User Name:           kuro
[2025-08-28 04:58:21] [info] Cores Used:          1
[2025-08-28 04:58:21] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info]           Top Cell Match
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info] Schematic Top Cell1:  gcd1_sky130hd
[2025-08-28 04:58:21] [info] Schematic Top Cell2:  gcd1_sky130hd
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info]           Performance Metrics
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info] | Stage                  | Time Taken |
[2025-08-28 04:58:21] [info] |-----|-----|
[2025-08-28 04:58:21] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 04:58:21] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 04:58:21] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info]           Additional Details
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 04:58:21] [info] Hierarchical Cells:    Flattened
[2025-08-28 04:58:21] [info] Database Format:        GDSII
[2025-08-28 04:58:21] [info] Verification Mode:     Full Check
[2025-08-28 04:58:21] [info] Error Reporting:       Enabled

[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info]           Type of Errors | Count
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info] DB_WARN -> 1
[2025-08-28 04:58:21] [info] LRF_ERR001 -> 14
[2025-08-28 04:58:21] [info] VERI_WARN012 -> 8
[2025-08-28 04:58:21] [info] SVS_ERR020 -> 2
[2025-08-28 04:58:21] [info] SVS_ERR031 -> 1
[2025-08-28 04:58:21] [info] SVS_ERR005 -> 16
[2025-08-28 04:58:21] [info] SVS_ERR001 -> 1
[2025-08-28 04:58:21] [info] SVS_ERR002 -> 1
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info]           Summary
[2025-08-28 04:58:21] [info] -----
[2025-08-28 04:58:21] [info] SVS Status:            PASSED
[2025-08-28 04:58:21] [info] Instance Match Percentage: 97.26%
[2025-08-28 04:58:21] [info] Unconnected Pins:      100
[2025-08-28 04:58:21] [info] Total Errors:           35
[2025-08-28 04:58:21] [info] Total Warnings:         9
[2025-08-28 04:58:21] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:43] [info] =====
[2025-08-28 20:27:43] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:43] [info] =====

[2025-08-28 20:27:43] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:43] [info] Run Start Time:      08:27:41 PM
[2025-08-28 20:27:43] [info] Run End Time:        08:27:43 PM
[2025-08-28 20:27:43] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:43] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:43] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:43] [info] User Name:           kuro
[2025-08-28 20:27:43] [info] Cores Used:          1
[2025-08-28 20:27:43] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info]             Top Cell Match
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info] Schematic Top Cell1:  aes_cipher_top2_sky130hd
[2025-08-28 20:27:43] [info] Schematic Top Cell2:  aes_cipher_top2_sky130hd
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info]             Performance Metrics
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:43] [info] |-----|-----|
[2025-08-28 20:27:43] [info] | Netlist Parsing        | 0 minutes 1 seconds |
[2025-08-28 20:27:43] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:43] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info]             Additional Details
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:43] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:43] [info] Database Format:        GDSII
[2025-08-28 20:27:43] [info] Verification Mode:     Full Check
[2025-08-28 20:27:43] [info] Error Reporting:       Enabled

[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info]             Type of Errors | Count
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info] DB_WARN -> 1
[2025-08-28 20:27:43] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:43] [info] VERI_WARN012 -> 75
[2025-08-28 20:27:43] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:43] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:43] [info] SVS_ERR005 -> 14
[2025-08-28 20:27:43] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:43] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info]             Summary
[2025-08-28 20:27:43] [info] -----
[2025-08-28 20:27:43] [info] SVS Status:           PASSED
[2025-08-28 20:27:43] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:43] [info] Unconnected Pins:     100
[2025-08-28 20:27:43] [info] Total Errors:          33
[2025-08-28 20:27:43] [info] Total Warnings:        76
[2025-08-28 20:27:43] [info] Critical Issues:       None

```

```

[2025-08-28 20:27:44] [info] =====
[2025-08-28 20:27:44] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:44] [info] =====

[2025-08-28 20:27:44] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:44] [info] Run Start Time:      08:27:43 PM
[2025-08-28 20:27:44] [info] Run End Time:        08:27:44 PM
[2025-08-28 20:27:44] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:44] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:44] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:44] [info] User Name:           kuro
[2025-08-28 20:27:44] [info] Cores Used:          1
[2025-08-28 20:27:44] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info]             Top Cell Match
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info] Schematic Top Cell1:  aes_cipher_top3_sky130hd
[2025-08-28 20:27:44] [info] Schematic Top Cell2:  aes_cipher_top3_sky130hd
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info]             Performance Metrics
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:44] [info] |-----|-----|
[2025-08-28 20:27:44] [info] | Netlist Parsing            | 0 minutes 1 seconds |
[2025-08-28 20:27:44] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:44] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info]             Additional Details
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:44] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:44] [info] Database Format:         GDSII
[2025-08-28 20:27:44] [info] Verification Mode:      Full Check
[2025-08-28 20:27:44] [info] Error Reporting:        Enabled

[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info]             Type of Errors | Count
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info] DB_WARN -> 1
[2025-08-28 20:27:44] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:44] [info] VERI_WARN012 -> 69
[2025-08-28 20:27:44] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:44] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:44] [info] SVS_ERR005 -> 13
[2025-08-28 20:27:44] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:44] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info]             Summary
[2025-08-28 20:27:44] [info] -----
[2025-08-28 20:27:44] [info] SVS Status:            PASSED
[2025-08-28 20:27:44] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:44] [info] Unconnected Pins:      100
[2025-08-28 20:27:44] [info] Total Errors:           32
[2025-08-28 20:27:44] [info] Total Warnings:         70
[2025-08-28 20:27:44] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:40] [info] =====
[2025-08-28 20:27:40] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:40] [info] =====

[2025-08-28 20:27:40] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:40] [info] Run Start Time:      08:27:40 PM
[2025-08-28 20:27:40] [info] Run End Time:        08:27:40 PM
[2025-08-28 20:27:40] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:40] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:40] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:40] [info] User Name:           kuro
[2025-08-28 20:27:40] [info] Cores Used:          1
[2025-08-28 20:27:40] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Top Cell Match
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Schematic Top Cell1:  gcd1_sky130hd
[2025-08-28 20:27:40] [info] Schematic Top Cell2:  gcd1_sky130hd
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Performance Metrics
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:40] [info] |-----|-----|
[2025-08-28 20:27:40] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Additional Details
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:40] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:40] [info] Database Format:        GDSII
[2025-08-28 20:27:40] [info] Verification Mode:     Full Check
[2025-08-28 20:27:40] [info] Error Reporting:       Enabled

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Type of Errors | Count
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] DB_WARN -> 1
[2025-08-28 20:27:40] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:40] [info] VERI_WARN012 -> 8
[2025-08-28 20:27:40] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:40] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR005 -> 16
[2025-08-28 20:27:40] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Summary
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] SVS Status:           PASSED
[2025-08-28 20:27:40] [info] Instance Match Percentage: 97.26%
[2025-08-28 20:27:40] [info] Unconnected Pins:      100
[2025-08-28 20:27:40] [info] Total Errors:          35
[2025-08-28 20:27:40] [info] Total Warnings:         9
[2025-08-28 20:27:40] [info] Critical Issues:       None

```

```

[2025-08-28 20:27:40] [info] =====
[2025-08-28 20:27:40] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:40] [info] =====

[2025-08-28 20:27:40] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:40] [info] Run Start Time:      08:27:40 PM
[2025-08-28 20:27:40] [info] Run End Time:        08:27:40 PM
[2025-08-28 20:27:40] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:40] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:40] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:40] [info] User Name:           kuro
[2025-08-28 20:27:40] [info] Cores Used:          1
[2025-08-28 20:27:40] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Top Cell Match
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Schematic Top Cell1:  gcd2_sky130hd
[2025-08-28 20:27:40] [info] Schematic Top Cell2:  gcd2_sky130hd
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Performance Metrics
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:40] [info] |-----|-----|
[2025-08-28 20:27:40] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Additional Details
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:40] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:40] [info] Database Format:        GDSII
[2025-08-28 20:27:40] [info] Verification Mode:     Full Check
[2025-08-28 20:27:40] [info] Error Reporting:       Enabled

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Type of Errors | Count
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] DB_WARN -> 1
[2025-08-28 20:27:40] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:40] [info] VERI_WARN012 -> 10
[2025-08-28 20:27:40] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR005 -> 17
[2025-08-28 20:27:40] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Summary
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] SVS Status:            PASSED
[2025-08-28 20:27:40] [info] Instance Match Percentage: 96.86%
[2025-08-28 20:27:40] [info] Unconnected Pins:      100
[2025-08-28 20:27:40] [info] Total Errors:          34
[2025-08-28 20:27:40] [info] Total Warnings:        11
[2025-08-28 20:27:40] [info] Critical Issues:       None

```

```

[2025-08-28 20:27:40] [info] =====
[2025-08-28 20:27:40] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:40] [info] =====

[2025-08-28 20:27:40] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:40] [info] Run Start Time:      08:27:40 PM
[2025-08-28 20:27:40] [info] Run End Time:        08:27:40 PM
[2025-08-28 20:27:40] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:27:40] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:40] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:40] [info] User Name:           kuro
[2025-08-28 20:27:40] [info] Cores Used:          1
[2025-08-28 20:27:40] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Top Cell Match
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Schematic Top Cell1: gcd3_sky130hd
[2025-08-28 20:27:40] [info] Schematic Top Cell2: gcd3_sky130hd
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Performance Metrics
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:40] [info] |-----|-----|
[2025-08-28 20:27:40] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:40] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Additional Details
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:40] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:40] [info] Database Format:        GDSII
[2025-08-28 20:27:40] [info] Verification Mode:     Full Check
[2025-08-28 20:27:40] [info] Error Reporting:       Enabled

[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Type of Errors | Count
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] DB_WARN -> 1
[2025-08-28 20:27:40] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:40] [info] VERI_WARN012 -> 12
[2025-08-28 20:27:40] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:40] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:40] [info] SVS_ERR005 -> 43
[2025-08-28 20:27:40] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info]             Summary
[2025-08-28 20:27:40] [info] -----
[2025-08-28 20:27:40] [info] SVS Status:            PASSED
[2025-08-28 20:27:40] [info] Instance Match Percentage: 86.89%
[2025-08-28 20:27:40] [info] Unconnected Pins:      100
[2025-08-28 20:27:40] [info] Total Errors:           61
[2025-08-28 20:27:40] [info] Total Warnings:         13
[2025-08-28 20:27:40] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:46] [info] =====
[2025-08-28 20:27:46] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:46] [info] =====

[2025-08-28 20:27:46] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:46] [info] Run Start Time:      08:27:45 PM
[2025-08-28 20:27:46] [info] Run End Time:        08:27:46 PM
[2025-08-28 20:27:46] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:46] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:46] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:46] [info] User Name:           kuro
[2025-08-28 20:27:46] [info] Cores Used:          1
[2025-08-28 20:27:46] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info]           Top Cell Match
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info] Schematic Top Cell1:  ibex_core1_sky130hd
[2025-08-28 20:27:46] [info] Schematic Top Cell2:  ibex_core1_sky130hd
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info]           Performance Metrics
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:46] [info] |-----|-----|
[2025-08-28 20:27:46] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:27:46] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:46] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info]           Additional Details
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:46] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:46] [info] Database Format:        GDSII
[2025-08-28 20:27:46] [info] Verification Mode:     Full Check
[2025-08-28 20:27:46] [info] Error Reporting:       Enabled

[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info]           Type of Errors | Count
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info] DB_WARN -> 1
[2025-08-28 20:27:46] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:46] [info] VERI_WARN012 -> 67
[2025-08-28 20:27:46] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:46] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:46] [info] SVS_ERR005 -> 57
[2025-08-28 20:27:46] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:46] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info]           Summary
[2025-08-28 20:27:46] [info] -----
[2025-08-28 20:27:46] [info] SVS Status:            PASSED
[2025-08-28 20:27:46] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:27:46] [info] Unconnected Pins:      100
[2025-08-28 20:27:46] [info] Total Errors:          76
[2025-08-28 20:27:46] [info] Total Warnings:        68
[2025-08-28 20:27:46] [info] Critical Issues:       None

```



```

[2025-08-28 20:27:47] [info] =====
[2025-08-28 20:27:47] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:47] [info] =====

[2025-08-28 20:27:47] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:47] [info] Run Start Time:      08:27:46 PM
[2025-08-28 20:27:47] [info] Run End Time:        08:27:47 PM
[2025-08-28 20:27:47] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:47] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:47] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:47] [info] User Name:           kuro
[2025-08-28 20:27:47] [info] Cores Used:          1
[2025-08-28 20:27:47] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info]             Top Cell Match
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info] Schematic Top Cell1:  ibex_core2_sky130hd
[2025-08-28 20:27:47] [info] Schematic Top Cell2:  ibex_core2_sky130hd
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info]             Performance Metrics
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:47] [info] |-----|-----|
[2025-08-28 20:27:47] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:27:47] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:47] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info]             Additional Details
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:47] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:47] [info] Database Format:         GDSII
[2025-08-28 20:27:47] [info] Verification Mode:      Full Check
[2025-08-28 20:27:47] [info] Error Reporting:        Enabled

[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info]             Type of Errors | Count
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info] DB_WARN -> 1
[2025-08-28 20:27:47] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:47] [info] VERI_WARN012 -> 61
[2025-08-28 20:27:47] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:47] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:47] [info] SVS_ERR005 -> 58
[2025-08-28 20:27:47] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:47] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info]             Summary
[2025-08-28 20:27:47] [info] -----
[2025-08-28 20:27:47] [info] SVS Status:            PASSED
[2025-08-28 20:27:47] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:27:47] [info] Unconnected Pins:      100
[2025-08-28 20:27:47] [info] Total Errors:          77
[2025-08-28 20:27:47] [info] Total Warnings:        62
[2025-08-28 20:27:47] [info] Critical Issues:        None

```

```

[2025-08-28 20:27:48] [info] =====
[2025-08-28 20:27:48] [info]             Schematic Versus Schematic Report
[2025-08-28 20:27:48] [info] =====

[2025-08-28 20:27:48] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:48] [info] Run Start Time:      08:27:47 PM
[2025-08-28 20:27:48] [info] Run End Time:        08:27:48 PM
[2025-08-28 20:27:48] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:27:48] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:48] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:48] [info] User Name:           kuro
[2025-08-28 20:27:48] [info] Cores Used:          1
[2025-08-28 20:27:48] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info]             Top Cell Match
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info] Schematic Top Cell1:  ibex_core3_sky130hd
[2025-08-28 20:27:48] [info] Schematic Top Cell2:  ibex_core3_sky130hd
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info]             Performance Metrics
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info] | Stage                      | Time Taken |
[2025-08-28 20:27:48] [info] |-----|-----|
[2025-08-28 20:27:48] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:27:48] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:27:48] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info]             Additional Details
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:48] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:48] [info] Database Format:         GDSII
[2025-08-28 20:27:48] [info] Verification Mode:      Full Check
[2025-08-28 20:27:48] [info] Error Reporting:        Enabled

[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info]             Type of Errors | Count
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info] DB_WARN -> 1
[2025-08-28 20:27:48] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:48] [info] VERI_WARN012 -> 105
[2025-08-28 20:27:48] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:48] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:48] [info] SVS_ERR005 -> 46
[2025-08-28 20:27:48] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info]             Summary
[2025-08-28 20:27:48] [info] -----
[2025-08-28 20:27:48] [info] SVS Status:             PASSED
[2025-08-28 20:27:48] [info] Instance Match Percentage: 99.76%
[2025-08-28 20:27:48] [info] Unconnected Pins:       100
[2025-08-28 20:27:48] [info] Total Errors:            64
[2025-08-28 20:27:48] [info] Total Warnings:          106
[2025-08-28 20:27:48] [info] Critical Issues:         None

```

```

[2025-08-28 20:27:52] [info] =====
[2025-08-28 20:27:52] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:52] [info] =====

[2025-08-28 20:27:52] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:52] [info] Run Start Time:      08:27:49 PM
[2025-08-28 20:27:52] [info] Run End Time:        08:27:52 PM
[2025-08-28 20:27:52] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:27:52] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:52] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:52] [info] User Name:           kuro
[2025-08-28 20:27:52] [info] Cores Used:          1
[2025-08-28 20:27:52] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info]           Top Cell Match
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info] Schematic Top Cell1:  jpeg_encoder1_sky130hd
[2025-08-28 20:27:52] [info] Schematic Top Cell2:  jpeg_encoder1_sky130hd
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info]           Performance Metrics
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:52] [info] |-----|-----|
[2025-08-28 20:27:52] [info] | Netlist Parsing         | 0 minutes 2 seconds |
[2025-08-28 20:27:52] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:27:52] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info]           Additional Details
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:27:52] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:27:52] [info] Database Format:         GDSII
[2025-08-28 20:27:52] [info] Verification Mode:      Full Check
[2025-08-28 20:27:52] [info] Error Reporting:        Enabled

[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info]           Type of Errors | Count
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info] DB_WARN -> 1
[2025-08-28 20:27:52] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:52] [info] VERI_WARN012 -> 115
[2025-08-28 20:27:52] [info] SVS_ERR020 -> 1
[2025-08-28 20:27:52] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:52] [info] SVS_ERR005 -> 24
[2025-08-28 20:27:52] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:52] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info]           Summary
[2025-08-28 20:27:52] [info] -----
[2025-08-28 20:27:52] [info] SVS Status:             PASSED
[2025-08-28 20:27:52] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:52] [info] Unconnected Pins:        100
[2025-08-28 20:27:52] [info] Total Errors:            42
[2025-08-28 20:27:52] [info] Total Warnings:          116
[2025-08-28 20:27:52] [info] Critical Issues:         None

```

```

[2025-08-28 20:27:56] [info] =====
[2025-08-28 20:27:56] [info]           Schematic Versus Schematic Report
[2025-08-28 20:27:56] [info] =====

[2025-08-28 20:27:56] [info] Report Generated:    2025-08-28
[2025-08-28 20:27:56] [info] Run Start Time:      08:27:53 PM
[2025-08-28 20:27:56] [info] Run End Time:        08:27:56 PM
[2025-08-28 20:27:56] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:27:56] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:27:56] [info] Host Name:           kuro-Workstation
[2025-08-28 20:27:56] [info] User Name:           kuro
[2025-08-28 20:27:56] [info] Cores Used:          1
[2025-08-28 20:27:56] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info]           Top Cell Match
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info] Schematic Top Cell1:  jpeg_encoder2_sky130hd
[2025-08-28 20:27:56] [info] Schematic Top Cell2:  jpeg_encoder2_sky130hd
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info]           Performance Metrics
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info] | Stage                  | Time Taken |
[2025-08-28 20:27:56] [info] |-----|-----|
[2025-08-28 20:27:56] [info] | Netlist Parsing        | 0 minutes 3 seconds |
[2025-08-28 20:27:56] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:27:56] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info]           Additional Details
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:27:56] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:27:56] [info] Database Format:        GDSII
[2025-08-28 20:27:56] [info] Verification Mode:     Full Check
[2025-08-28 20:27:56] [info] Error Reporting:       Enabled

[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info]           Type of Errors | Count
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info] DB_WARN -> 1
[2025-08-28 20:27:56] [info] LRF_ERR001 -> 14
[2025-08-28 20:27:56] [info] VERI_WARN012 -> 115
[2025-08-28 20:27:56] [info] SVS_ERR020 -> 2
[2025-08-28 20:27:56] [info] SVS_ERR031 -> 1
[2025-08-28 20:27:56] [info] SVS_ERR005 -> 19
[2025-08-28 20:27:56] [info] SVS_ERR001 -> 1
[2025-08-28 20:27:56] [info] SVS_ERR002 -> 1
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info]           Summary
[2025-08-28 20:27:56] [info] -----
[2025-08-28 20:27:56] [info] SVS Status:            PASSED
[2025-08-28 20:27:56] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:27:56] [info] Unconnected Pins:      100
[2025-08-28 20:27:56] [info] Total Errors:           38
[2025-08-28 20:27:56] [info] Total Warnings:         116
[2025-08-28 20:27:56] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:00] [info] =====
[2025-08-28 20:28:00] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:00] [info] =====

[2025-08-28 20:28:00] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:00] [info] Run Start Time:      08:27:57 PM
[2025-08-28 20:28:00] [info] Run End Time:        08:28:00 PM
[2025-08-28 20:28:00] [info] Time Taken:          0 minutes 2 seconds

[2025-08-28 20:28:00] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:00] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:00] [info] User Name:           kuro
[2025-08-28 20:28:00] [info] Cores Used:          1
[2025-08-28 20:28:00] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]           Top Cell Match
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Schematic Top Cell1:  jpeg_encoder3_sky130hd
[2025-08-28 20:28:00] [info] Schematic Top Cell2:  jpeg_encoder3_sky130hd
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]           Performance Metrics
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:00] [info] |-----|-----|
[2025-08-28 20:28:00] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-28 20:28:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]           Additional Details
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:00] [info] Hierarchical Cells:   Flattened
[2025-08-28 20:28:00] [info] Database Format:       GDSII
[2025-08-28 20:28:00] [info] Verification Mode:    Full Check
[2025-08-28 20:28:00] [info] Error Reporting:      Enabled

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]           Type of Errors | Count
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] DB_WARN -> 1
[2025-08-28 20:28:00] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:00] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:00] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:00] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR005 -> 21
[2025-08-28 20:28:00] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]           Summary
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] SVS Status:           PASSED
[2025-08-28 20:28:00] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:00] [info] Unconnected Pins:     100
[2025-08-28 20:28:00] [info] Total Errors:         40
[2025-08-28 20:28:00] [info] Total Warnings:       116
[2025-08-28 20:28:00] [info] Critical Issues:      None

```

```

[2025-08-28 04:58:40] [info] =====
[2025-08-28 04:58:40] [info]           Schematic Versus Schematic Report
[2025-08-28 04:58:40] [info] =====

[2025-08-28 04:58:40] [info] Report Generated:    2025-08-28
[2025-08-28 04:58:40] [info] Run Start Time:      04:58:37 AM
[2025-08-28 04:58:40] [info] Run End Time:        04:58:40 AM
[2025-08-28 04:58:40] [info] Time Taken:          0 minutes 2 seconds

[2025-08-28 04:58:40] [info] Tool Version:        LVR_2025.1
[2025-08-28 04:58:40] [info] Host Name:           kuro-Workstation
[2025-08-28 04:58:40] [info] User Name:           kuro
[2025-08-28 04:58:40] [info] Cores Used:          1
[2025-08-28 04:58:40] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info]           Top Cell Match
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info] Schematic Top Cell1:  jpeg_encoder3_sky130hd
[2025-08-28 04:58:40] [info] Schematic Top Cell2:  jpeg_encoder3_sky130hd
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info]           Performance Metrics
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info] | Stage                  | Time Taken |
[2025-08-28 04:58:40] [info] |-----|-----|
[2025-08-28 04:58:40] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-28 04:58:40] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 04:58:40] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info]           Additional Details
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 04:58:40] [info] Hierarchical Cells:    Flattened
[2025-08-28 04:58:40] [info] Database Format:        GDSII
[2025-08-28 04:58:40] [info] Verification Mode:     Full Check
[2025-08-28 04:58:40] [info] Error Reporting:       Enabled

[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info]           Type of Errors | Count
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info] DB_WARN -> 1
[2025-08-28 04:58:40] [info] LRF_ERR001 -> 14
[2025-08-28 04:58:40] [info] VERI_WARN012 -> 115
[2025-08-28 04:58:40] [info] SVS_ERR020 -> 2
[2025-08-28 04:58:40] [info] SVS_ERR031 -> 1
[2025-08-28 04:58:40] [info] SVS_ERR005 -> 21
[2025-08-28 04:58:40] [info] SVS_ERR001 -> 1
[2025-08-28 04:58:40] [info] SVS_ERR002 -> 1
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info]           Summary
[2025-08-28 04:58:40] [info] -----
[2025-08-28 04:58:40] [info] SVS Status:            PASSED
[2025-08-28 04:58:40] [info] Instance Match Percentage: 99.97%
[2025-08-28 04:58:40] [info] Unconnected Pins:      100
[2025-08-28 04:58:40] [info] Total Errors:           40
[2025-08-28 04:58:40] [info] Total Warnings:         116
[2025-08-28 04:58:40] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:03] [info] =====
[2025-08-28 20:28:03] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:03] [info] =====

[2025-08-28 20:28:03] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:03] [info] Run Start Time:      08:28:01 PM
[2025-08-28 20:28:03] [info] Run End Time:        08:28:03 PM
[2025-08-28 20:28:03] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:03] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:03] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:03] [info] User Name:           kuro
[2025-08-28 20:28:03] [info] Cores Used:          1
[2025-08-28 20:28:03] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info]             Top Cell Match
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info] Schematic Top Cell1:  aes_cipher_top2_sky130hd
[2025-08-28 20:28:03] [info] Schematic Top Cell2:  aes_cipher_top2_sky130hd
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info]             Performance Metrics
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:03] [info] |-----|-----|
[2025-08-28 20:28:03] [info] | Netlist Parsing            | 0 minutes 1 seconds |
[2025-08-28 20:28:03] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:03] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info]             Additional Details
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:28:03] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:28:03] [info] Database Format:         GDSII
[2025-08-28 20:28:03] [info] Verification Mode:      Full Check
[2025-08-28 20:28:03] [info] Error Reporting:        Enabled

[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info]             Type of Errors | Count
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info] DB_WARN -> 1
[2025-08-28 20:28:03] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:03] [info] VERI_WARN012 -> 75
[2025-08-28 20:28:03] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:03] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:03] [info] SVS_ERR005 -> 14
[2025-08-28 20:28:03] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:03] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info]             Summary
[2025-08-28 20:28:03] [info] -----
[2025-08-28 20:28:03] [info] SVS Status:            PASSED
[2025-08-28 20:28:03] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:03] [info] Unconnected Pins:      100
[2025-08-28 20:28:03] [info] Total Errors:           33
[2025-08-28 20:28:03] [info] Total Warnings:         76
[2025-08-28 20:28:03] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:04] [info] =====
[2025-08-28 20:28:04] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:04] [info] =====

[2025-08-28 20:28:04] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:04] [info] Run Start Time:      08:28:03 PM
[2025-08-28 20:28:04] [info] Run End Time:        08:28:04 PM
[2025-08-28 20:28:04] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:04] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:04] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:04] [info] User Name:           kuro
[2025-08-28 20:28:04] [info] Cores Used:          1
[2025-08-28 20:28:04] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info]           Top Cell Match
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info] Schematic Top Cell1: aes_cipher_top3_sky130hd
[2025-08-28 20:28:04] [info] Schematic Top Cell2: aes_cipher_top3_sky130hd
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info]           Performance Metrics
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:04] [info] |-----|-----|
[2025-08-28 20:28:04] [info] | Netlist Parsing            | 0 minutes 1 seconds |
[2025-08-28 20:28:04] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:04] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info]           Additional Details
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:04] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:04] [info] Database Format:           GDSII
[2025-08-28 20:28:04] [info] Verification Mode:        Full Check
[2025-08-28 20:28:04] [info] Error Reporting:          Enabled

[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info]           Type of Errors | Count
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info] DB_WARN -> 1
[2025-08-28 20:28:04] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:04] [info] VERI_WARN012 -> 69
[2025-08-28 20:28:04] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:04] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:04] [info] SVS_ERR005 -> 13
[2025-08-28 20:28:04] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:04] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info]           Summary
[2025-08-28 20:28:04] [info] -----
[2025-08-28 20:28:04] [info] SVS Status:              PASSED
[2025-08-28 20:28:04] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:04] [info] Unconnected Pins:        100
[2025-08-28 20:28:04] [info] Total Errors:             32
[2025-08-28 20:28:04] [info] Total Warnings:           70
[2025-08-28 20:28:04] [info] Critical Issues:          None

```



```

[2025-08-28 20:28:00] [info] =====
[2025-08-28 20:28:00] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:00] [info] =====

[2025-08-28 20:28:00] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:00] [info] Run Start Time:      08:28:00 PM
[2025-08-28 20:28:00] [info] Run End Time:        08:28:00 PM
[2025-08-28 20:28:00] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:00] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:00] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:00] [info] User Name:           kuro
[2025-08-28 20:28:00] [info] Cores Used:          1
[2025-08-28 20:28:00] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Top Cell Match
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Schematic Top Cell1:  gcd1_sky130hd
[2025-08-28 20:28:00] [info] Schematic Top Cell2:  gcd1_sky130hd
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Performance Metrics
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:00] [info] |-----|-----|
[2025-08-28 20:28:00] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Additional Details
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:00] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:00] [info] Database Format:        GDSII
[2025-08-28 20:28:00] [info] Verification Mode:     Full Check
[2025-08-28 20:28:00] [info] Error Reporting:       Enabled

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Type of Errors | Count
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] DB_WARN -> 1
[2025-08-28 20:28:00] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:00] [info] VERI_WARN012 -> 8
[2025-08-28 20:28:00] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:00] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR005 -> 16
[2025-08-28 20:28:00] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Summary
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] SVS Status:           PASSED
[2025-08-28 20:28:00] [info] Instance Match Percentage: 97.26%
[2025-08-28 20:28:00] [info] Unconnected Pins:      100
[2025-08-28 20:28:00] [info] Total Errors:          35
[2025-08-28 20:28:00] [info] Total Warnings:         9
[2025-08-28 20:28:00] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:00] [info] =====
[2025-08-28 20:28:00] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:00] [info] =====

[2025-08-28 20:28:00] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:00] [info] Run Start Time:      08:28:00 PM
[2025-08-28 20:28:00] [info] Run End Time:        08:28:00 PM
[2025-08-28 20:28:00] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:00] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:00] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:00] [info] User Name:           kuro
[2025-08-28 20:28:00] [info] Cores Used:          1
[2025-08-28 20:28:00] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Top Cell Match
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Schematic Top Cell1:  gcd2_sky130hd
[2025-08-28 20:28:00] [info] Schematic Top Cell2:  gcd2_sky130hd
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Performance Metrics
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:00] [info] |-----|-----|
[2025-08-28 20:28:00] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Additional Details
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:00] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:00] [info] Database Format:        GDSII
[2025-08-28 20:28:00] [info] Verification Mode:     Full Check
[2025-08-28 20:28:00] [info] Error Reporting:       Enabled

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Type of Errors | Count
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] DB_WARN -> 1
[2025-08-28 20:28:00] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:00] [info] VERI_WARN012 -> 10
[2025-08-28 20:28:00] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR005 -> 17
[2025-08-28 20:28:00] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Summary
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] SVS Status:            PASSED
[2025-08-28 20:28:00] [info] Instance Match Percentage: 96.86%
[2025-08-28 20:28:00] [info] Unconnected Pins:      100
[2025-08-28 20:28:00] [info] Total Errors:          34
[2025-08-28 20:28:00] [info] Total Warnings:        11
[2025-08-28 20:28:00] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:00] [info] =====
[2025-08-28 20:28:00] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:00] [info] =====

[2025-08-28 20:28:00] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:00] [info] Run Start Time:      08:28:00 PM
[2025-08-28 20:28:00] [info] Run End Time:        08:28:00 PM
[2025-08-28 20:28:00] [info] Time Taken:          0 minutes 0 seconds

[2025-08-28 20:28:00] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:00] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:00] [info] User Name:           kuro
[2025-08-28 20:28:00] [info] Cores Used:          1
[2025-08-28 20:28:00] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Top Cell Match
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Schematic Top Cell1: gcd3_sky130hd
[2025-08-28 20:28:00] [info] Schematic Top Cell2: gcd3_sky130hd
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Performance Metrics
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:00] [info] |-----|-----|
[2025-08-28 20:28:00] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:00] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Additional Details
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:00] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:00] [info] Database Format:        GDSII
[2025-08-28 20:28:00] [info] Verification Mode:     Full Check
[2025-08-28 20:28:00] [info] Error Reporting:       Enabled

[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Type of Errors | Count
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] DB_WARN -> 1
[2025-08-28 20:28:00] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:00] [info] VERI_WARN012 -> 12
[2025-08-28 20:28:00] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:00] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:00] [info] SVS_ERR005 -> 43
[2025-08-28 20:28:00] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info]             Summary
[2025-08-28 20:28:00] [info] -----
[2025-08-28 20:28:00] [info] SVS Status:            PASSED
[2025-08-28 20:28:00] [info] Instance Match Percentage: 86.89%
[2025-08-28 20:28:00] [info] Unconnected Pins:      100
[2025-08-28 20:28:00] [info] Total Errors:          61
[2025-08-28 20:28:00] [info] Total Warnings:         13
[2025-08-28 20:28:00] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:05] [info] =====
[2025-08-28 20:28:05] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:05] [info] =====

[2025-08-28 20:28:05] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:05] [info] Run Start Time:      08:28:04 PM
[2025-08-28 20:28:05] [info] Run End Time:        08:28:05 PM
[2025-08-28 20:28:05] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:05] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:05] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:05] [info] User Name:           kuro
[2025-08-28 20:28:05] [info] Cores Used:          1
[2025-08-28 20:28:05] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info]             Top Cell Match
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info] Schematic Top Cell1:  ibex_core1_sky130hd
[2025-08-28 20:28:05] [info] Schematic Top Cell2:  ibex_core1_sky130hd
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info]             Performance Metrics
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:05] [info] |-----|-----|
[2025-08-28 20:28:05] [info] | Netlist Parsing        | 0 minutes 0 seconds |
[2025-08-28 20:28:05] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:05] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info]             Additional Details
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:05] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:05] [info] Database Format:        GDSII
[2025-08-28 20:28:05] [info] Verification Mode:     Full Check
[2025-08-28 20:28:05] [info] Error Reporting:       Enabled

[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info]             Type of Errors | Count
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info] DB_WARN -> 1
[2025-08-28 20:28:05] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:05] [info] VERI_WARN012 -> 67
[2025-08-28 20:28:05] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:05] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:05] [info] SVS_ERR005 -> 57
[2025-08-28 20:28:05] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:05] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info]             Summary
[2025-08-28 20:28:05] [info] -----
[2025-08-28 20:28:05] [info] SVS Status:           PASSED
[2025-08-28 20:28:05] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:28:05] [info] Unconnected Pins:      100
[2025-08-28 20:28:05] [info] Total Errors:          76
[2025-08-28 20:28:05] [info] Total Warnings:        68
[2025-08-28 20:28:05] [info] Critical Issues:       None

```

```

[2025-08-28 20:28:07] [info] =====
[2025-08-28 20:28:07] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:07] [info] =====

[2025-08-28 20:28:07] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:07] [info] Run Start Time:      08:28:06 PM
[2025-08-28 20:28:07] [info] Run End Time:        08:28:07 PM
[2025-08-28 20:28:07] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:07] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:07] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:07] [info] User Name:           kuro
[2025-08-28 20:28:07] [info] Cores Used:          1
[2025-08-28 20:28:07] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info]           Top Cell Match
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info] Schematic Top Cell1:  ibex_core2_sky130hd
[2025-08-28 20:28:07] [info] Schematic Top Cell2:  ibex_core2_sky130hd
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info]           Performance Metrics
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:07] [info] |-----|-----|
[2025-08-28 20:28:07] [info] | Netlist Parsing            | 0 minutes 0 seconds |
[2025-08-28 20:28:07] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:07] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info]           Additional Details
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info] Technology Node:        SKY130HD (130nm)
[2025-08-28 20:28:07] [info] Hierarchical Cells:     Flattened
[2025-08-28 20:28:07] [info] Database Format:         GDSII
[2025-08-28 20:28:07] [info] Verification Mode:      Full Check
[2025-08-28 20:28:07] [info] Error Reporting:        Enabled

[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info]           Type of Errors | Count
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info] DB_WARN -> 1
[2025-08-28 20:28:07] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:07] [info] VERI_WARN012 -> 61
[2025-08-28 20:28:07] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:07] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:07] [info] SVS_ERR005 -> 58
[2025-08-28 20:28:07] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:07] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info]           Summary
[2025-08-28 20:28:07] [info] -----
[2025-08-28 20:28:07] [info] SVS Status:            PASSED
[2025-08-28 20:28:07] [info] Instance Match Percentage: 99.85%
[2025-08-28 20:28:07] [info] Unconnected Pins:      100
[2025-08-28 20:28:07] [info] Total Errors:           77
[2025-08-28 20:28:07] [info] Total Warnings:         62
[2025-08-28 20:28:07] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:08] [info] =====
[2025-08-28 20:28:08] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:08] [info] =====

[2025-08-28 20:28:08] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:08] [info] Run Start Time:      08:28:07 PM
[2025-08-28 20:28:08] [info] Run End Time:        08:28:08 PM
[2025-08-28 20:28:08] [info] Time Taken:          0 minutes 1 seconds

[2025-08-28 20:28:08] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:08] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:08] [info] User Name:           kuro
[2025-08-28 20:28:08] [info] Cores Used:          1
[2025-08-28 20:28:08] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info]           Top Cell Match
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info] Schematic Top Cell1:  ibex_core3_sky130hd
[2025-08-28 20:28:08] [info] Schematic Top Cell2:  ibex_core3_sky130hd
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info]           Performance Metrics
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:08] [info] |-----|-----|
[2025-08-28 20:28:08] [info] | Netlist Parsing         | 0 minutes 0 seconds |
[2025-08-28 20:28:08] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:28:08] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info]           Additional Details
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:08] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:08] [info] Database Format:        GDSII
[2025-08-28 20:28:08] [info] Verification Mode:     Full Check
[2025-08-28 20:28:08] [info] Error Reporting:       Enabled

[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info]           Type of Errors | Count
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info] DB_WARN -> 1
[2025-08-28 20:28:08] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:08] [info] VERI_WARN012 -> 105
[2025-08-28 20:28:08] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:08] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:08] [info] SVS_ERR005 -> 46
[2025-08-28 20:28:08] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info]           Summary
[2025-08-28 20:28:08] [info] -----
[2025-08-28 20:28:08] [info] SVS Status:            PASSED
[2025-08-28 20:28:08] [info] Instance Match Percentage: 99.76%
[2025-08-28 20:28:08] [info] Unconnected Pins:      100
[2025-08-28 20:28:08] [info] Total Errors:           64
[2025-08-28 20:28:08] [info] Total Warnings:         106
[2025-08-28 20:28:08] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:12] [info] =====
[2025-08-28 20:28:12] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:12] [info] =====

[2025-08-28 20:28:12] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:12] [info] Run Start Time:      08:28:08 PM
[2025-08-28 20:28:12] [info] Run End Time:        08:28:12 PM
[2025-08-28 20:28:12] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:28:12] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:12] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:12] [info] User Name:           kuro
[2025-08-28 20:28:12] [info] Cores Used:          1
[2025-08-28 20:28:12] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info]           Top Cell Match
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info] Schematic Top Cell1:  jpeg_encoder1_sky130hd
[2025-08-28 20:28:12] [info] Schematic Top Cell2:  jpeg_encoder1_sky130hd
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info]           Performance Metrics
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:12] [info] |-----|-----|
[2025-08-28 20:28:12] [info] | Netlist Parsing        | 0 minutes 2 seconds |
[2025-08-28 20:28:12] [info] | Device Matching        | 0 minutes 0 seconds |
[2025-08-28 20:28:12] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info]           Additional Details
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:12] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:12] [info] Database Format:        GDSII
[2025-08-28 20:28:12] [info] Verification Mode:     Full Check
[2025-08-28 20:28:12] [info] Error Reporting:       Enabled

[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info]           Type of Errors | Count
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info] DB_WARN -> 1
[2025-08-28 20:28:12] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:12] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:12] [info] SVS_ERR020 -> 1
[2025-08-28 20:28:12] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:12] [info] SVS_ERR005 -> 24
[2025-08-28 20:28:12] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:12] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info]           Summary
[2025-08-28 20:28:12] [info] -----
[2025-08-28 20:28:12] [info] SVS Status:            PASSED
[2025-08-28 20:28:12] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:12] [info] Unconnected Pins:      100
[2025-08-28 20:28:12] [info] Total Errors:           42
[2025-08-28 20:28:12] [info] Total Warnings:         116
[2025-08-28 20:28:12] [info] Critical Issues:        None

```

```

[2025-08-28 20:28:16] [info] =====
[2025-08-28 20:28:16] [info]           Schematic Versus Schematic Report
[2025-08-28 20:28:16] [info] =====

[2025-08-28 20:28:16] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:16] [info] Run Start Time:      08:28:12 PM
[2025-08-28 20:28:16] [info] Run End Time:        08:28:16 PM
[2025-08-28 20:28:16] [info] Time Taken:          0 minutes 3 seconds

[2025-08-28 20:28:16] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:16] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:16] [info] User Name:           kuro
[2025-08-28 20:28:16] [info] Cores Used:          1
[2025-08-28 20:28:16] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info]           Top Cell Match
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info] Schematic Top Cell1:  jpeg_encoder2_sky130hd
[2025-08-28 20:28:16] [info] Schematic Top Cell2:  jpeg_encoder2_sky130hd
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info]           Performance Metrics
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info] | Stage                  | Time Taken |
[2025-08-28 20:28:16] [info] |-----|-----|
[2025-08-28 20:28:16] [info] | Netlist Parsing         | 0 minutes 3 seconds |
[2025-08-28 20:28:16] [info] | Device Matching         | 0 minutes 0 seconds |
[2025-08-28 20:28:16] [info] | Report Generation       | 0 minutes 0 seconds |

[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info]           Additional Details
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info] Technology Node:       SKY130HD (130nm)
[2025-08-28 20:28:16] [info] Hierarchical Cells:    Flattened
[2025-08-28 20:28:16] [info] Database Format:        GDSII
[2025-08-28 20:28:16] [info] Verification Mode:     Full Check
[2025-08-28 20:28:16] [info] Error Reporting:       Enabled

[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info]           Type of Errors | Count
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info] DB_WARN -> 1
[2025-08-28 20:28:16] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:16] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:16] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:16] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:16] [info] SVS_ERR005 -> 19
[2025-08-28 20:28:16] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:16] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info]           Summary
[2025-08-28 20:28:16] [info] -----
[2025-08-28 20:28:16] [info] SVS Status:            PASSED
[2025-08-28 20:28:16] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:16] [info] Unconnected Pins:      100
[2025-08-28 20:28:16] [info] Total Errors:           38
[2025-08-28 20:28:16] [info] Total Warnings:         116
[2025-08-28 20:28:16] [info] Critical Issues:        None

```



```

[2025-08-28 20:28:19] [info] =====
[2025-08-28 20:28:19] [info]             Schematic Versus Schematic Report
[2025-08-28 20:28:19] [info] =====

[2025-08-28 20:28:19] [info] Report Generated:    2025-08-28
[2025-08-28 20:28:19] [info] Run Start Time:      08:28:17 PM
[2025-08-28 20:28:19] [info] Run End Time:        08:28:19 PM
[2025-08-28 20:28:19] [info] Time Taken:          0 minutes 2 seconds

[2025-08-28 20:28:19] [info] Tool Version:        LVR_2025.1
[2025-08-28 20:28:19] [info] Host Name:           kuro-Workstation
[2025-08-28 20:28:19] [info] User Name:           kuro
[2025-08-28 20:28:19] [info] Cores Used:          1
[2025-08-28 20:28:19] [info] Memory Utilized:     0.00 MB / 62.5692024230957 GB

[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info]             Top Cell Match
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info] Schematic Top Cell1: jpeg_encoder3_sky130hd
[2025-08-28 20:28:19] [info] Schematic Top Cell2: jpeg_encoder3_sky130hd
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info]             Performance Metrics
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info] | Stage                      | Time Taken |
[2025-08-28 20:28:19] [info] |-----|-----|
[2025-08-28 20:28:19] [info] | Netlist Parsing            | 0 minutes 2 seconds |
[2025-08-28 20:28:19] [info] | Device Matching            | 0 minutes 0 seconds |
[2025-08-28 20:28:19] [info] | Report Generation          | 0 minutes 0 seconds |

[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info]             Additional Details
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info] Technology Node:          SKY130HD (130nm)
[2025-08-28 20:28:19] [info] Hierarchical Cells:       Flattened
[2025-08-28 20:28:19] [info] Database Format:           GDSII
[2025-08-28 20:28:19] [info] Verification Mode:        Full Check
[2025-08-28 20:28:19] [info] Error Reporting:          Enabled

[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info]             Type of Errors | Count
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info] DB_WARN -> 1
[2025-08-28 20:28:19] [info] LRF_ERR001 -> 14
[2025-08-28 20:28:19] [info] VERI_WARN012 -> 115
[2025-08-28 20:28:19] [info] SVS_ERR020 -> 2
[2025-08-28 20:28:19] [info] SVS_ERR031 -> 1
[2025-08-28 20:28:19] [info] SVS_ERR005 -> 21
[2025-08-28 20:28:19] [info] SVS_ERR001 -> 1
[2025-08-28 20:28:19] [info] SVS_ERR002 -> 1
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info]             Summary
[2025-08-28 20:28:19] [info] -----
[2025-08-28 20:28:19] [info] SVS Status:               PASSED
[2025-08-28 20:28:19] [info] Instance Match Percentage: 99.97%
[2025-08-28 20:28:19] [info] Unconnected Pins:         100
[2025-08-28 20:28:19] [info] Total Errors:              40
[2025-08-28 20:28:19] [info] Total Warnings:            116
[2025-08-28 20:28:19] [info] Critical Issues:           None

```

1.5 XOR Regression Summary Reports

```
[2025-08-29 10:45:14] [info] =====
[2025-08-29 10:45:14] [info] XOR Verification Report
[2025-08-29 10:45:14] [info] =====

[2025-08-29 10:45:14] [info] Report Generated: 2025-08-29
[2025-08-29 10:45:14] [info] Run Start Time: 10:45:13 AM
[2025-08-29 10:45:14] [info] Run End Time: 10:45:14 AM
[2025-08-29 10:45:14] [info] Time Taken: 0 minutes 10 seconds

[2025-08-29 10:45:14] [info] Tool Version: LVR_2025.1
[2025-08-29 10:45:14] [info] Host Name: kuro-Workstation
[2025-08-29 10:45:14] [info] User Name: kuro
[2025-08-29 10:45:14] [info] Cores Used: 16
[2025-08-29 10:45:14] [info] Memory Utilized: 6509.79 MB / 62.569698333740234 GB

[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Top Cell Information
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:45:14] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:45:14] [info] Database Format: GDSII
[2025-08-29 10:45:14] [info] Verification Mode: XOR Check

[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] XOR Mismatch Summary
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] | Layer Name | XOR Errors |
[2025-08-29 10:45:14] [info] |-----|-----|
[2025-08-29 10:45:14] [info]
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Performance Metrics
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] | Stage | Time Taken |
[2025-08-29 10:45:14] [info] |-----|-----|
[2025-08-29 10:45:14] [info] | GDS Parsing | 0 minutes 9 seconds |
[2025-08-29 10:45:14] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:45:14] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Type of Errors | Count
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] DB_ERR010 -> 4
[2025-08-29 10:45:14] [info] DB_WARN -> 1
[2025-08-29 10:45:14] [info] DB_WARN003 -> 442
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Summary
[2025-08-29 10:45:14] [info] -----
[2025-08-29 10:45:14] [info] Total XOR Mismatches: 4
[2025-08-29 10:45:14] [info] Total Warnings: 443
[2025-08-29 10:45:14] [info] XOR Status: MISMATCH
```

```

[2025-08-29 10:45:26] [info] =====
[2025-08-29 10:45:26] [info]                      XOR Verification Report
[2025-08-29 10:45:26] [info] =====

[2025-08-29 10:45:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:26] [info] Run Start Time:      10:45:25 AM
[2025-08-29 10:45:26] [info] Run End Time:        10:45:26 AM
[2025-08-29 10:45:26] [info] Time Taken:          0 minutes 10 seconds

[2025-08-29 10:45:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:26] [info] User Name:           kuro
[2025-08-29 10:45:26] [info] Cores Used:          16
[2025-08-29 10:45:26] [info] Memory Utilized:     6584.13 MB / 62.569698333740234 GB

[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info]                      Top Cell Information
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:45:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:26] [info] Database Format:       GDSII
[2025-08-29 10:45:26] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:45:26] [info] |-----|-----|
[2025-08-29 10:45:26] [info]
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info]                      Performance Metrics
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info] | Stage              | Time Taken |
[2025-08-29 10:45:26] [info] |-----|-----|
[2025-08-29 10:45:26] [info] | GDS Parsing         | 0 minutes 9 seconds |
[2025-08-29 10:45:26] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:45:26] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info]                      Type of Errors | Count
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info] DB_ERR010 -> 4
[2025-08-29 10:45:26] [info] DB_WARN -> 1
[2025-08-29 10:45:26] [info] DB_WARN003 -> 438
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info]                      Summary
[2025-08-29 10:45:26] [info] -----
[2025-08-29 10:45:26] [info] Total XOR Mismatches:    4
[2025-08-29 10:45:26] [info] Total Warnings:         439
[2025-08-29 10:45:26] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:45:37] [info] =====
[2025-08-29 10:45:37] [info] XOR Verification Report
[2025-08-29 10:45:37] [info] =====

[2025-08-29 10:45:37] [info] Report Generated: 2025-08-29
[2025-08-29 10:45:37] [info] Run Start Time: 10:45:37 AM
[2025-08-29 10:45:37] [info] Run End Time: 10:45:37 AM
[2025-08-29 10:45:37] [info] Time Taken: 0 minutes 10 seconds

[2025-08-29 10:45:37] [info] Tool Version: LVR_2025.1
[2025-08-29 10:45:37] [info] Host Name: kuro-Workstation
[2025-08-29 10:45:37] [info] User Name: kuro
[2025-08-29 10:45:37] [info] Cores Used: 16
[2025-08-29 10:45:37] [info] Memory Utilized: 6502.51 MB / 62.569698333740234 GB

[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Top Cell Information
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:45:37] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:45:37] [info] Database Format: GDSII
[2025-08-29 10:45:37] [info] Verification Mode: XOR Check

[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] XOR Mismatch Summary
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] | Layer Name | XOR Errors |
[2025-08-29 10:45:37] [info] |-----|-----|
[2025-08-29 10:45:37] [info]
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Performance Metrics
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] | Stage | Time Taken |
[2025-08-29 10:45:37] [info] |-----|-----|
[2025-08-29 10:45:37] [info] | GDS Parsing | 0 minutes 9 seconds |
[2025-08-29 10:45:37] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:45:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Type of Errors | Count
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] DB_ERR010 -> 4
[2025-08-29 10:45:37] [info] DB_WARN -> 1
[2025-08-29 10:45:37] [info] DB_WARN003 -> 442
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Summary
[2025-08-29 10:45:37] [info] -----
[2025-08-29 10:45:37] [info] Total XOR Mismatches: 4
[2025-08-29 10:45:37] [info] Total Warnings: 443
[2025-08-29 10:45:37] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:45:03] [info] =====
[2025-08-29 10:45:03] [info]                      XOR Verification Report
[2025-08-29 10:45:03] [info] =====

[2025-08-29 10:45:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:03] [info] Run Start Time:      10:45:03 AM
[2025-08-29 10:45:03] [info] Run End Time:        10:45:03 AM
[2025-08-29 10:45:03] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:45:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:03] [info] User Name:           kuro
[2025-08-29 10:45:03] [info] Cores Used:          16
[2025-08-29 10:45:03] [info] Memory Utilized:     144.52 MB / 62.569698333740234 GB

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Top Cell Information
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] Layout Top Cell:     gcd
[2025-08-29 10:45:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:03] [info] Database Format:       GDSII
[2025-08-29 10:45:03] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] | Layer Name | XOR Errors |
[2025-08-29 10:45:03] [info] |-----|-----|
[2025-08-29 10:45:03] [info]
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Performance Metrics
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] | Stage | Time Taken |
[2025-08-29 10:45:03] [info] |-----|-----|
[2025-08-29 10:45:03] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:45:03] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:45:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Type of Errors | Count
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] DB_ERR010 -> 4
[2025-08-29 10:45:03] [info] DB_WARN -> 1
[2025-08-29 10:45:03] [info] DB_WARN003 -> 48
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Summary
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] Total XOR Mismatches:    4
[2025-08-29 10:45:03] [info] Total Warnings:         49
[2025-08-29 10:45:03] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:45:03] [info] =====
[2025-08-29 10:45:03] [info]                      XOR Verification Report
[2025-08-29 10:45:03] [info] =====

[2025-08-29 10:45:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:03] [info] Run Start Time:      10:45:03 AM
[2025-08-29 10:45:03] [info] Run End Time:        10:45:03 AM
[2025-08-29 10:45:03] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:45:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:03] [info] User Name:           kuro
[2025-08-29 10:45:03] [info] Cores Used:          16
[2025-08-29 10:45:03] [info] Memory Utilized:     146.29 MB / 62.569698333740234 GB

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Top Cell Information
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] Layout Top Cell:     gcd
[2025-08-29 10:45:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:03] [info] Database Format:       GDSII
[2025-08-29 10:45:03] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] | Layer Name | XOR Errors |
[2025-08-29 10:45:03] [info] |-----|-----|
[2025-08-29 10:45:03] [info]
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Performance Metrics
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] | Stage | Time Taken |
[2025-08-29 10:45:03] [info] |-----|-----|
[2025-08-29 10:45:03] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:45:03] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:45:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Type of Errors | Count
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] DB_ERR010 -> 4
[2025-08-29 10:45:03] [info] DB_WARN -> 1
[2025-08-29 10:45:03] [info] DB_WARN003 -> 68
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info]                      Summary
[2025-08-29 10:45:03] [info] -----
[2025-08-29 10:45:03] [info] Total XOR Mismatches: 4
[2025-08-29 10:45:03] [info] Total Warnings: 69
[2025-08-29 10:45:03] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:45:04] [info] =====
[2025-08-29 10:45:04] [info]                      XOR Verification Report
[2025-08-29 10:45:04] [info] =====

[2025-08-29 10:45:04] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:04] [info] Run Start Time:      10:45:04 AM
[2025-08-29 10:45:04] [info] Run End Time:        10:45:04 AM
[2025-08-29 10:45:04] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:45:04] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:04] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:04] [info] User Name:           kuro
[2025-08-29 10:45:04] [info] Cores Used:          16
[2025-08-29 10:45:04] [info] Memory Utilized:     144.22 MB / 62.569698333740234 GB

[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info]                      Top Cell Information
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info] Layout Top Cell:     gcd
[2025-08-29 10:45:04] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:04] [info] Database Format:       GDSII
[2025-08-29 10:45:04] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:45:04] [info] |-----|-----|
[2025-08-29 10:45:04] [info]
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info]                      Performance Metrics
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info] | Stage              | Time Taken |
[2025-08-29 10:45:04] [info] |-----|-----|
[2025-08-29 10:45:04] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:45:04] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:45:04] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info]                      Type of Errors | Count
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info] DB_ERR010 -> 4
[2025-08-29 10:45:04] [info] DB_WARN -> 1
[2025-08-29 10:45:04] [info] DB_WARN003 -> 52
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info]                      Summary
[2025-08-29 10:45:04] [info] -----
[2025-08-29 10:45:04] [info] Total XOR Mismatches:    4
[2025-08-29 10:45:04] [info] Total Warnings:         53
[2025-08-29 10:45:04] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:45:50] [info] =====
[2025-08-29 10:45:50] [info]                      XOR Verification Report
[2025-08-29 10:45:50] [info] =====

[2025-08-29 10:45:50] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:50] [info] Run Start Time:      10:45:49 AM
[2025-08-29 10:45:50] [info] Run End Time:        10:45:50 AM
[2025-08-29 10:45:50] [info] Time Taken:          0 minutes 11 seconds

[2025-08-29 10:45:50] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:50] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:50] [info] User Name:           kuro
[2025-08-29 10:45:50] [info] Cores Used:          16
[2025-08-29 10:45:50] [info] Memory Utilized:     7248.49 MB / 62.569698333740234 GB

[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info]                      Top Cell Information
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:45:50] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:50] [info] Database Format:       GDSII
[2025-08-29 10:45:50] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:45:50] [info] |-----|-----|
[2025-08-29 10:45:50] [info]
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info]                      Performance Metrics
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info] | Stage              | Time Taken |
[2025-08-29 10:45:50] [info] |-----|-----|
[2025-08-29 10:45:50] [info] | GDS Parsing         | 0 minutes 10 seconds |
[2025-08-29 10:45:50] [info] | Layer Comparison     | 0 minutes 0 seconds  |
[2025-08-29 10:45:50] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info]                      Type of Errors | Count
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info] DB_ERR010 -> 4
[2025-08-29 10:45:50] [info] DB_WARN -> 1
[2025-08-29 10:45:50] [info] DB_WARN003 -> 170
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info]                      Summary
[2025-08-29 10:45:50] [info] -----
[2025-08-29 10:45:50] [info] Total XOR Mismatches:    4
[2025-08-29 10:45:50] [info] Total Warnings:         171
[2025-08-29 10:45:50] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:46:03] [info] =====
[2025-08-29 10:46:03] [info]                      XOR Verification Report
[2025-08-29 10:46:03] [info] =====

[2025-08-29 10:46:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:46:03] [info] Run Start Time:      10:46:02 AM
[2025-08-29 10:46:03] [info] Run End Time:        10:46:03 AM
[2025-08-29 10:46:03] [info] Time Taken:          0 minutes 11 seconds

[2025-08-29 10:46:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:46:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:46:03] [info] User Name:           kuro
[2025-08-29 10:46:03] [info] Cores Used:          16
[2025-08-29 10:46:03] [info] Memory Utilized:     7316.97 MB / 62.569698333740234 GB

[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info]                      Top Cell Information
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:46:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:46:03] [info] Database Format:       GDSII
[2025-08-29 10:46:03] [info] Verification Mode:    XOR Check

[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info]                      XOR Mismatch Summary
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info] | Layer Name | XOR Errors |
[2025-08-29 10:46:03] [info] |-----|-----|
[2025-08-29 10:46:03] [info]
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info]                      Performance Metrics
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info] | Stage | Time Taken |
[2025-08-29 10:46:03] [info] |-----|-----|
[2025-08-29 10:46:03] [info] | GDS Parsing | 0 minutes 11 seconds |
[2025-08-29 10:46:03] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:46:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info]                      Type of Errors | Count
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info] DB_ERR010 -> 4
[2025-08-29 10:46:03] [info] DB_WARN -> 1
[2025-08-29 10:46:03] [info] DB_WARN003 -> 170
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info]                      Summary
[2025-08-29 10:46:03] [info] -----
[2025-08-29 10:46:03] [info] Total XOR Mismatches:    4
[2025-08-29 10:46:03] [info] Total Warnings:         171
[2025-08-29 10:46:03] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:46:15] [info] =====
[2025-08-29 10:46:15] [info]                      XOR Verification Report
[2025-08-29 10:46:15] [info] =====

[2025-08-29 10:46:15] [info] Report Generated:    2025-08-29
[2025-08-29 10:46:15] [info] Run Start Time:      10:46:15 AM
[2025-08-29 10:46:15] [info] Run End Time:        10:46:15 AM
[2025-08-29 10:46:15] [info] Time Taken:          0 minutes 11 seconds

[2025-08-29 10:46:15] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:46:15] [info] Host Name:           kuro-Workstation
[2025-08-29 10:46:15] [info] User Name:           kuro
[2025-08-29 10:46:15] [info] Cores Used:          16
[2025-08-29 10:46:15] [info] Memory Utilized:     7193.00 MB / 62.569698333740234 GB

[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info]                      Top Cell Information
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:46:15] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:46:15] [info] Database Format:       GDSII
[2025-08-29 10:46:15] [info] Verification Mode:    XOR Check

[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info]                      XOR Mismatch Summary
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:46:15] [info] |-----|-----|
[2025-08-29 10:46:15] [info]
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info]                      Performance Metrics
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info] | Stage              | Time Taken |
[2025-08-29 10:46:15] [info] |-----|-----|
[2025-08-29 10:46:15] [info] | GDS Parsing         | 0 minutes 10 seconds |
[2025-08-29 10:46:15] [info] | Layer Comparison     | 0 minutes 0 seconds  |
[2025-08-29 10:46:15] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info]                      Type of Errors | Count
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info] DB_ERR010 -> 4
[2025-08-29 10:46:15] [info] DB_WARN -> 1
[2025-08-29 10:46:15] [info] DB_WARN003 -> 196
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info]                      Summary
[2025-08-29 10:46:15] [info] -----
[2025-08-29 10:46:15] [info] Total XOR Mismatches:    4
[2025-08-29 10:46:15] [info] Total Warnings:         197
[2025-08-29 10:46:15] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:46:57] [info] =====
[2025-08-29 10:46:57] [info]                      XOR Verification Report
[2025-08-29 10:46:57] [info] =====

[2025-08-29 10:46:57] [info] Report Generated:    2025-08-29
[2025-08-29 10:46:57] [info] Run Start Time:      10:46:54 AM
[2025-08-29 10:46:57] [info] Run End Time:        10:46:57 AM
[2025-08-29 10:46:57] [info] Time Taken:          0 minutes 41 seconds

[2025-08-29 10:46:57] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:46:57] [info] Host Name:           kuro-Workstation
[2025-08-29 10:46:57] [info] User Name:           kuro
[2025-08-29 10:46:57] [info] Cores Used:          16
[2025-08-29 10:46:57] [info] Memory Utilized:     23647.99 MB / 62.569698333740234 GB

[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info]                      Top Cell Information
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:46:57] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:46:57] [info] Database Format:       GDSII
[2025-08-29 10:46:57] [info] Verification Mode:    XOR Check

[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info]                      XOR Mismatch Summary
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:46:57] [info] |-----|-----|
[2025-08-29 10:46:57] [info]
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info]                      Performance Metrics
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info] | Stage              | Time Taken |
[2025-08-29 10:46:57] [info] |-----|-----|
[2025-08-29 10:46:57] [info] | GDS Parsing         | 0 minutes 37 seconds |
[2025-08-29 10:46:57] [info] | Layer Comparison     | 0 minutes 2 seconds  |
[2025-08-29 10:46:57] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info]                      Type of Errors | Count
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info] DB_ERR010 -> 4
[2025-08-29 10:46:57] [info] DB_WARN -> 1
[2025-08-29 10:46:57] [info] DB_WARN003 -> 74
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info]                      Summary
[2025-08-29 10:46:57] [info] -----
[2025-08-29 10:46:57] [info] Total XOR Mismatches:    4
[2025-08-29 10:46:57] [info] Total Warnings:          75
[2025-08-29 10:46:57] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:47:42] [info] =====
[2025-08-29 10:47:42] [info]                      XOR Verification Report
[2025-08-29 10:47:42] [info] =====

[2025-08-29 10:47:42] [info] Report Generated:    2025-08-29
[2025-08-29 10:47:42] [info] Run Start Time:      10:47:39 AM
[2025-08-29 10:47:42] [info] Run End Time:        10:47:42 AM
[2025-08-29 10:47:42] [info] Time Taken:          0 minutes 41 seconds

[2025-08-29 10:47:42] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:47:42] [info] Host Name:           kuro-Workstation
[2025-08-29 10:47:42] [info] User Name:           kuro
[2025-08-29 10:47:42] [info] Cores Used:          16
[2025-08-29 10:47:42] [info] Memory Utilized:     23836.93 MB / 62.569698333740234 GB

[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info]                      Top Cell Information
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:47:42] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:47:42] [info] Database Format:       GDSII
[2025-08-29 10:47:42] [info] Verification Mode:    XOR Check

[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info]                      XOR Mismatch Summary
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:47:42] [info] |-----|-----|
[2025-08-29 10:47:42] [info]
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info]                      Performance Metrics
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info] | Stage              | Time Taken |
[2025-08-29 10:47:42] [info] |-----|-----|
[2025-08-29 10:47:42] [info] | GDS Parsing        | 0 minutes 38 seconds |
[2025-08-29 10:47:42] [info] | Layer Comparison    | 0 minutes 2 seconds  |
[2025-08-29 10:47:42] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info]                      Type of Errors | Count
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info] DB_ERR010 -> 4
[2025-08-29 10:47:42] [info] DB_WARN -> 1
[2025-08-29 10:47:42] [info] DB_WARN003 -> 78
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info]                      Summary
[2025-08-29 10:47:42] [info] -----
[2025-08-29 10:47:42] [info] Total XOR Mismatches:    4
[2025-08-29 10:47:42] [info] Total Warnings:         79
[2025-08-29 10:47:42] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:48:26] [info] =====
[2025-08-29 10:48:26] [info]                      XOR Verification Report
[2025-08-29 10:48:26] [info] =====

[2025-08-29 10:48:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:48:26] [info] Run Start Time:      10:48:23 AM
[2025-08-29 10:48:26] [info] Run End Time:        10:48:25 AM
[2025-08-29 10:48:26] [info] Time Taken:          0 minutes 40 seconds

[2025-08-29 10:48:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:48:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:48:26] [info] User Name:           kuro
[2025-08-29 10:48:26] [info] Cores Used:          16
[2025-08-29 10:48:26] [info] Memory Utilized:     23571.03 MB / 62.569698333740234 GB

[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info]                      Top Cell Information
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:48:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:48:26] [info] Database Format:       GDSII
[2025-08-29 10:48:26] [info] Verification Mode:    XOR Check

[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info]                      XOR Mismatch Summary
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:48:26] [info] |-----|-----|
[2025-08-29 10:48:26] [info]
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info]                      Performance Metrics
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info] | Stage              | Time Taken |
[2025-08-29 10:48:26] [info] |-----|-----|
[2025-08-29 10:48:26] [info] | GDS Parsing         | 0 minutes 37 seconds |
[2025-08-29 10:48:26] [info] | Layer Comparison     | 0 minutes 2 seconds  |
[2025-08-29 10:48:26] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info]                      Type of Errors | Count
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info] DB_ERR010 -> 4
[2025-08-29 10:48:26] [info] DB_WARN -> 1
[2025-08-29 10:48:26] [info] DB_WARN003 -> 68
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info]                      Summary
[2025-08-29 10:48:26] [info] -----
[2025-08-29 10:48:26] [info] Total XOR Mismatches:    4
[2025-08-29 10:48:26] [info] Total Warnings:         69
[2025-08-29 10:48:26] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:37:38] [info] =====
[2025-08-29 10:37:38] [info]                      XOR Verification Report
[2025-08-29 10:37:38] [info] =====

[2025-08-29 10:37:38] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:38] [info] Run Start Time:      10:37:36 AM
[2025-08-29 10:37:38] [info] Run End Time:        10:37:38 AM
[2025-08-29 10:37:38] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:37:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:38] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:38] [info] User Name:           kuro
[2025-08-29 10:37:38] [info] Cores Used:          1
[2025-08-29 10:37:38] [info] Memory Utilized:     1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info]                      Top Cell Information
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:37:38] [info] Technology Node:     Nangate45 (45nm)
[2025-08-29 10:37:38] [info] Database Format:      GDSII
[2025-08-29 10:37:38] [info] Verification Mode:    XOR Check

[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info]                      XOR Mismatch Summary
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:37:38] [info] |-----|-----|
[2025-08-29 10:37:38] [info]
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info]                      Performance Metrics
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info] | Stage              | Time Taken |
[2025-08-29 10:37:38] [info] |-----|-----|
[2025-08-29 10:37:38] [info] | GDS Parsing         | 0 minutes 6 seconds |
[2025-08-29 10:37:38] [info] | Layer Comparison     | 0 minutes 1 seconds |
[2025-08-29 10:37:38] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info]                      Type of Errors | Count
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info] DB_ERR010 -> 4
[2025-08-29 10:37:38] [info] DB_WARN -> 1
[2025-08-29 10:37:38] [info] DB_WARN003 -> 442
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info]                      Summary
[2025-08-29 10:37:38] [info] -----
[2025-08-29 10:37:38] [info] Total XOR Mismatches:    4
[2025-08-29 10:37:38] [info] Total Warnings:         443
[2025-08-29 10:37:38] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:37:47] [info] =====
[2025-08-29 10:37:47] [info] XOR Verification Report
[2025-08-29 10:37:47] [info] =====

[2025-08-29 10:37:47] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:47] [info] Run Start Time: 10:37:45 AM
[2025-08-29 10:37:47] [info] Run End Time: 10:37:47 AM
[2025-08-29 10:37:47] [info] Time Taken: 0 minutes 7 seconds

[2025-08-29 10:37:47] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:47] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:47] [info] User Name: kuro
[2025-08-29 10:37:47] [info] Cores Used: 1
[2025-08-29 10:37:47] [info] Memory Utilized: 1469.68 MB / 62.569698333740234 GB

[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Top Cell Information
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:37:47] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:47] [info] Database Format: GDSII
[2025-08-29 10:37:47] [info] Verification Mode: XOR Check

[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] XOR Mismatch Summary
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] | Layer Name | XOR Errors |
[2025-08-29 10:37:47] [info] |-----|-----|
[2025-08-29 10:37:47] [info]
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Performance Metrics
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] | Stage | Time Taken |
[2025-08-29 10:37:47] [info] |-----|-----|
[2025-08-29 10:37:47] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 10:37:47] [info] | Layer Comparison | 0 minutes 1 seconds |
[2025-08-29 10:37:47] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Type of Errors | Count
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] DB_ERR010 -> 4
[2025-08-29 10:37:47] [info] DB_WARN -> 1
[2025-08-29 10:37:47] [info] DB_WARN003 -> 438
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Summary
[2025-08-29 10:37:47] [info] -----
[2025-08-29 10:37:47] [info] Total XOR Mismatches: 4
[2025-08-29 10:37:47] [info] Total Warnings: 439
[2025-08-29 10:37:47] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:37:55] [info] =====
[2025-08-29 10:37:55] [info] XOR Verification Report
[2025-08-29 10:37:55] [info] =====

[2025-08-29 10:37:55] [info] Report Generated: 2025-08-29
[2025-08-29 10:37:55] [info] Run Start Time: 10:37:53 AM
[2025-08-29 10:37:55] [info] Run End Time: 10:37:55 AM
[2025-08-29 10:37:55] [info] Time Taken: 0 minutes 7 seconds

[2025-08-29 10:37:55] [info] Tool Version: LVR_2025.1
[2025-08-29 10:37:55] [info] Host Name: kuro-Workstation
[2025-08-29 10:37:55] [info] User Name: kuro
[2025-08-29 10:37:55] [info] Cores Used: 1
[2025-08-29 10:37:55] [info] Memory Utilized: 1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Top Cell Information
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:37:55] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:37:55] [info] Database Format: GDSII
[2025-08-29 10:37:55] [info] Verification Mode: XOR Check

[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] XOR Mismatch Summary
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] | Layer Name | XOR Errors |
[2025-08-29 10:37:55] [info] |-----|-----|
[2025-08-29 10:37:55] [info]
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Performance Metrics
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] | Stage | Time Taken |
[2025-08-29 10:37:55] [info] |-----|-----|
[2025-08-29 10:37:55] [info] | GDS Parsing | 0 minutes 5 seconds |
[2025-08-29 10:37:55] [info] | Layer Comparison | 0 minutes 1 seconds |
[2025-08-29 10:37:55] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Type of Errors | Count
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] DB_ERR010 -> 4
[2025-08-29 10:37:55] [info] DB_WARN -> 1
[2025-08-29 10:37:55] [info] DB_WARN003 -> 442
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Summary
[2025-08-29 10:37:55] [info] -----
[2025-08-29 10:37:55] [info] Total XOR Mismatches: 4
[2025-08-29 10:37:55] [info] Total Warnings: 443
[2025-08-29 10:37:55] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:37:30] [info] =====
[2025-08-29 10:37:30] [info]                      XOR Verification Report
[2025-08-29 10:37:30] [info] =====

[2025-08-29 10:37:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:30] [info] Run Start Time:      10:37:30 AM
[2025-08-29 10:37:30] [info] Run End Time:        10:37:30 AM
[2025-08-29 10:37:30] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:30] [info] User Name:           kuro
[2025-08-29 10:37:30] [info] Cores Used:          1
[2025-08-29 10:37:30] [info] Memory Utilized:     30.48 MB / 62.569698333740234 GB

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Top Cell Information
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Layout Top Cell:     gcd
[2025-08-29 10:37:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:37:30] [info] Database Format:       GDSII
[2025-08-29 10:37:30] [info] Verification Mode:    XOR Check

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      XOR Mismatch Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Layer Name | XOR Errors |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info]
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Performance Metrics
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Stage | Time Taken |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Type of Errors | Count
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] DB_ERR010 -> 4
[2025-08-29 10:37:30] [info] DB_WARN -> 1
[2025-08-29 10:37:30] [info] DB_WARN003 -> 48
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Total XOR Mismatches: 4
[2025-08-29 10:37:30] [info] Total Warnings: 49
[2025-08-29 10:37:30] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:37:30] [info] =====
[2025-08-29 10:37:30] [info]                      XOR Verification Report
[2025-08-29 10:37:30] [info] =====

[2025-08-29 10:37:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:30] [info] Run Start Time:      10:37:30 AM
[2025-08-29 10:37:30] [info] Run End Time:        10:37:30 AM
[2025-08-29 10:37:30] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:30] [info] User Name:           kuro
[2025-08-29 10:37:30] [info] Cores Used:          1
[2025-08-29 10:37:30] [info] Memory Utilized:     31.00 MB / 62.569698333740234 GB

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Top Cell Information
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Layout Top Cell:     gcd
[2025-08-29 10:37:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:37:30] [info] Database Format:       GDSII
[2025-08-29 10:37:30] [info] Verification Mode:    XOR Check

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      XOR Mismatch Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info]
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Performance Metrics
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Stage              | Time Taken |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Type of Errors | Count
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] DB_ERR010 -> 4
[2025-08-29 10:37:30] [info] DB_WARN -> 1
[2025-08-29 10:37:30] [info] DB_WARN003 -> 68
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Total XOR Mismatches:    4
[2025-08-29 10:37:30] [info] Total Warnings:         69
[2025-08-29 10:37:30] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:37:30] [info] =====
[2025-08-29 10:37:30] [info]                      XOR Verification Report
[2025-08-29 10:37:30] [info] =====

[2025-08-29 10:37:30] [info] Report Generated:    2025-08-29
[2025-08-29 10:37:30] [info] Run Start Time:      10:37:30 AM
[2025-08-29 10:37:30] [info] Run End Time:        10:37:30 AM
[2025-08-29 10:37:30] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:37:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:37:30] [info] Host Name:           kuro-Workstation
[2025-08-29 10:37:30] [info] User Name:           kuro
[2025-08-29 10:37:30] [info] Cores Used:          1
[2025-08-29 10:37:30] [info] Memory Utilized:     30.44 MB / 62.569698333740234 GB

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Top Cell Information
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Layout Top Cell:     gcd
[2025-08-29 10:37:30] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:37:30] [info] Database Format:       GDSII
[2025-08-29 10:37:30] [info] Verification Mode:    XOR Check

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      XOR Mismatch Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info]
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Performance Metrics
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] | Stage              | Time Taken |
[2025-08-29 10:37:30] [info] |-----|-----|
[2025-08-29 10:37:30] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:37:30] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Type of Errors | Count
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] DB_ERR010 -> 4
[2025-08-29 10:37:30] [info] DB_WARN -> 1
[2025-08-29 10:37:30] [info] DB_WARN003 -> 52
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info]                      Summary
[2025-08-29 10:37:30] [info] -----
[2025-08-29 10:37:30] [info] Total XOR Mismatches:    4
[2025-08-29 10:37:30] [info] Total Warnings:         53
[2025-08-29 10:37:30] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:38:04] [info] =====
[2025-08-29 10:38:04] [info]                      XOR Verification Report
[2025-08-29 10:38:04] [info] =====

[2025-08-29 10:38:04] [info] Report Generated:    2025-08-29
[2025-08-29 10:38:04] [info] Run Start Time:      10:38:02 AM
[2025-08-29 10:38:04] [info] Run End Time:        10:38:04 AM
[2025-08-29 10:38:04] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:38:04] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:38:04] [info] Host Name:           kuro-Workstation
[2025-08-29 10:38:04] [info] User Name:           kuro
[2025-08-29 10:38:04] [info] Cores Used:          1
[2025-08-29 10:38:04] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info]                      Top Cell Information
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:38:04] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:38:04] [info] Database Format:       GDSII
[2025-08-29 10:38:04] [info] Verification Mode:    XOR Check

[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info]                      XOR Mismatch Summary
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info] | Layer Name | XOR Errors |
[2025-08-29 10:38:04] [info] |-----|-----|
[2025-08-29 10:38:04] [info]
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info]                      Performance Metrics
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info] | Stage | Time Taken |
[2025-08-29 10:38:04] [info] |-----|-----|
[2025-08-29 10:38:04] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 10:38:04] [info] | Layer Comparison | 0 minutes 1 seconds |
[2025-08-29 10:38:04] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info]                      Type of Errors | Count
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info] DB_ERR010 -> 4
[2025-08-29 10:38:04] [info] DB_WARN -> 1
[2025-08-29 10:38:04] [info] DB_WARN003 -> 170
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info]                      Summary
[2025-08-29 10:38:04] [info] -----
[2025-08-29 10:38:04] [info] Total XOR Mismatches: 4
[2025-08-29 10:38:04] [info] Total Warnings: 171
[2025-08-29 10:38:04] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:38:14] [info] =====
[2025-08-29 10:38:14] [info]                      XOR Verification Report
[2025-08-29 10:38:14] [info] =====

[2025-08-29 10:38:14] [info] Report Generated:    2025-08-29
[2025-08-29 10:38:14] [info] Run Start Time:      10:38:12 AM
[2025-08-29 10:38:14] [info] Run End Time:        10:38:14 AM
[2025-08-29 10:38:14] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:38:14] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:38:14] [info] Host Name:           kuro-Workstation
[2025-08-29 10:38:14] [info] User Name:           kuro
[2025-08-29 10:38:14] [info] Cores Used:          1
[2025-08-29 10:38:14] [info] Memory Utilized:     1601.60 MB / 62.569698333740234 GB

[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info]                      Top Cell Information
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:38:14] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:38:14] [info] Database Format:       GDSII
[2025-08-29 10:38:14] [info] Verification Mode:    XOR Check

[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info]                      XOR Mismatch Summary
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:38:14] [info] |-----|-----|
[2025-08-29 10:38:14] [info]
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info]                      Performance Metrics
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info] | Stage              | Time Taken |
[2025-08-29 10:38:14] [info] |-----|-----|
[2025-08-29 10:38:14] [info] | GDS Parsing        | 0 minutes 6 seconds |
[2025-08-29 10:38:14] [info] | Layer Comparison    | 0 minutes 1 seconds |
[2025-08-29 10:38:14] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info]                      Type of Errors | Count
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info] DB_ERR010 -> 4
[2025-08-29 10:38:14] [info] DB_WARN -> 1
[2025-08-29 10:38:14] [info] DB_WARN003 -> 170
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info]                      Summary
[2025-08-29 10:38:14] [info] -----
[2025-08-29 10:38:14] [info] Total XOR Mismatches:    4
[2025-08-29 10:38:14] [info] Total Warnings:         171
[2025-08-29 10:38:14] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:38:23] [info] =====
[2025-08-29 10:38:23] [info]                      XOR Verification Report
[2025-08-29 10:38:23] [info] =====

[2025-08-29 10:38:23] [info] Report Generated:    2025-08-29
[2025-08-29 10:38:23] [info] Run Start Time:      10:38:21 AM
[2025-08-29 10:38:23] [info] Run End Time:        10:38:23 AM
[2025-08-29 10:38:23] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:38:23] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:38:23] [info] Host Name:           kuro-Workstation
[2025-08-29 10:38:23] [info] User Name:           kuro
[2025-08-29 10:38:23] [info] Cores Used:          1
[2025-08-29 10:38:23] [info] Memory Utilized:     1464.05 MB / 62.569698333740234 GB

[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info]                      Top Cell Information
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:38:23] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:38:23] [info] Database Format:       GDSII
[2025-08-29 10:38:23] [info] Verification Mode:    XOR Check

[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info]                      XOR Mismatch Summary
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:38:23] [info] |-----|-----|
[2025-08-29 10:38:23] [info]
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info]                      Performance Metrics
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info] | Stage              | Time Taken |
[2025-08-29 10:38:23] [info] |-----|-----|
[2025-08-29 10:38:23] [info] | GDS Parsing        | 0 minutes 6 seconds |
[2025-08-29 10:38:23] [info] | Layer Comparison    | 0 minutes 1 seconds |
[2025-08-29 10:38:23] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info]                      Type of Errors | Count
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info] DB_ERR010 -> 4
[2025-08-29 10:38:23] [info] DB_WARN -> 1
[2025-08-29 10:38:23] [info] DB_WARN003 -> 196
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info]                      Summary
[2025-08-29 10:38:23] [info] -----
[2025-08-29 10:38:23] [info] Total XOR Mismatches:    4
[2025-08-29 10:38:23] [info] Total Warnings:         197
[2025-08-29 10:38:23] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:38:52] [info] =====
[2025-08-29 10:38:52] [info]                      XOR Verification Report
[2025-08-29 10:38:52] [info] =====

[2025-08-29 10:38:52] [info] Report Generated:    2025-08-29
[2025-08-29 10:38:52] [info] Run Start Time:      10:38:46 AM
[2025-08-29 10:38:52] [info] Run End Time:        10:38:52 AM
[2025-08-29 10:38:52] [info] Time Taken:          0 minutes 28 seconds

[2025-08-29 10:38:52] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:38:52] [info] Host Name:           kuro-Workstation
[2025-08-29 10:38:52] [info] User Name:           kuro
[2025-08-29 10:38:52] [info] Cores Used:          1
[2025-08-29 10:38:52] [info] Memory Utilized:     4551.48 MB / 62.569698333740234 GB

[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info]                      Top Cell Information
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:38:52] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:38:52] [info] Database Format:       GDSII
[2025-08-29 10:38:52] [info] Verification Mode:    XOR Check

[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info]                      XOR Mismatch Summary
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info] | Layer Name | XOR Errors |
[2025-08-29 10:38:52] [info] |-----|-----|
[2025-08-29 10:38:52] [info]
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info]                      Performance Metrics
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info] | Stage | Time Taken |
[2025-08-29 10:38:52] [info] |-----|-----|
[2025-08-29 10:38:52] [info] | GDS Parsing | 0 minutes 22 seconds |
[2025-08-29 10:38:52] [info] | Layer Comparison | 0 minutes 5 seconds |
[2025-08-29 10:38:52] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info]                      Type of Errors | Count
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info] DB_ERR010 -> 4
[2025-08-29 10:38:52] [info] DB_WARN -> 1
[2025-08-29 10:38:52] [info] DB_WARN003 -> 74
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info]                      Summary
[2025-08-29 10:38:52] [info] -----
[2025-08-29 10:38:52] [info] Total XOR Mismatches: 4
[2025-08-29 10:38:52] [info] Total Warnings: 75
[2025-08-29 10:38:52] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:39:23] [info] =====
[2025-08-29 10:39:23] [info]                      XOR Verification Report
[2025-08-29 10:39:23] [info] =====

[2025-08-29 10:39:23] [info] Report Generated:    2025-08-29
[2025-08-29 10:39:23] [info] Run Start Time:      10:39:17 AM
[2025-08-29 10:39:23] [info] Run End Time:        10:39:23 AM
[2025-08-29 10:39:23] [info] Time Taken:          0 minutes 29 seconds

[2025-08-29 10:39:23] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:39:23] [info] Host Name:           kuro-Workstation
[2025-08-29 10:39:23] [info] User Name:           kuro
[2025-08-29 10:39:23] [info] Cores Used:          1
[2025-08-29 10:39:23] [info] Memory Utilized:     4599.00 MB / 62.569698333740234 GB

[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info]                      Top Cell Information
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:39:23] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:39:23] [info] Database Format:       GDSII
[2025-08-29 10:39:23] [info] Verification Mode:    XOR Check

[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info]                      XOR Mismatch Summary
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:39:23] [info] |-----|-----|
[2025-08-29 10:39:23] [info]
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info]                      Performance Metrics
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info] | Stage              | Time Taken |
[2025-08-29 10:39:23] [info] |-----|-----|
[2025-08-29 10:39:23] [info] | GDS Parsing         | 0 minutes 23 seconds |
[2025-08-29 10:39:23] [info] | Layer Comparison     | 0 minutes 5 seconds  |
[2025-08-29 10:39:23] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info]                      Type of Errors | Count
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info] DB_ERR010 -> 4
[2025-08-29 10:39:23] [info] DB_WARN -> 1
[2025-08-29 10:39:23] [info] DB_WARN003 -> 78
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info]                      Summary
[2025-08-29 10:39:23] [info] -----
[2025-08-29 10:39:23] [info] Total XOR Mismatches:    4
[2025-08-29 10:39:23] [info] Total Warnings:         79
[2025-08-29 10:39:23] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:39:53] [info] =====
[2025-08-29 10:39:53] [info]                      XOR Verification Report
[2025-08-29 10:39:53] [info] =====

[2025-08-29 10:39:53] [info] Report Generated:    2025-08-29
[2025-08-29 10:39:53] [info] Run Start Time:      10:39:48 AM
[2025-08-29 10:39:53] [info] Run End Time:        10:39:53 AM
[2025-08-29 10:39:53] [info] Time Taken:          0 minutes 28 seconds

[2025-08-29 10:39:53] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:39:53] [info] Host Name:           kuro-Workstation
[2025-08-29 10:39:53] [info] User Name:           kuro
[2025-08-29 10:39:53] [info] Cores Used:           1
[2025-08-29 10:39:53] [info] Memory Utilized:     4518.73 MB / 62.569698333740234 GB

[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info]                      Top Cell Information
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:39:53] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:39:53] [info] Database Format:       GDSII
[2025-08-29 10:39:53] [info] Verification Mode:    XOR Check

[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info]                      XOR Mismatch Summary
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info] | Layer Name | XOR Errors |
[2025-08-29 10:39:53] [info] |-----|-----|
[2025-08-29 10:39:53] [info]
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info]                      Performance Metrics
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info] | Stage | Time Taken |
[2025-08-29 10:39:53] [info] |-----|-----|
[2025-08-29 10:39:53] [info] | GDS Parsing | 0 minutes 22 seconds |
[2025-08-29 10:39:53] [info] | Layer Comparison | 0 minutes 5 seconds |
[2025-08-29 10:39:53] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info]                      Type of Errors | Count
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info] DB_ERR010 -> 4
[2025-08-29 10:39:53] [info] DB_WARN -> 1
[2025-08-29 10:39:53] [info] DB_WARN003 -> 68
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info]                      Summary
[2025-08-29 10:39:53] [info] -----
[2025-08-29 10:39:53] [info] Total XOR Mismatches:    4
[2025-08-29 10:39:53] [info] Total Warnings:         69
[2025-08-29 10:39:53] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:40:03] [info] =====
[2025-08-29 10:40:03] [info]                      XOR Verification Report
[2025-08-29 10:40:03] [info] =====

[2025-08-29 10:40:03] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:03] [info] Run Start Time:      10:40:02 AM
[2025-08-29 10:40:03] [info] Run End Time:        10:40:03 AM
[2025-08-29 10:40:03] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:40:03] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:03] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:03] [info] User Name:           kuro
[2025-08-29 10:40:03] [info] Cores Used:          4
[2025-08-29 10:40:03] [info] Memory Utilized:     2462.04 MB / 62.569698333740234 GB

[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info]                      Top Cell Information
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:40:03] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:03] [info] Database Format:       GDSII
[2025-08-29 10:40:03] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:03] [info] |-----|-----|
[2025-08-29 10:40:03] [info]
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info]                      Performance Metrics
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info] | Stage              | Time Taken |
[2025-08-29 10:40:03] [info] |-----|-----|
[2025-08-29 10:40:03] [info] | GDS Parsing         | 0 minutes 6 seconds |
[2025-08-29 10:40:03] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:40:03] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info]                      Type of Errors | Count
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info] DB_ERR010 -> 4
[2025-08-29 10:40:03] [info] DB_WARN -> 1
[2025-08-29 10:40:03] [info] DB_WARN003 -> 442
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info]                      Summary
[2025-08-29 10:40:03] [info] -----
[2025-08-29 10:40:03] [info] Total XOR Mismatches:    4
[2025-08-29 10:40:03] [info] Total Warnings:         443
[2025-08-29 10:40:03] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:40:12] [info] =====
[2025-08-29 10:40:12] [info]                      XOR Verification Report
[2025-08-29 10:40:12] [info] =====

[2025-08-29 10:40:12] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:12] [info] Run Start Time:      10:40:11 AM
[2025-08-29 10:40:12] [info] Run End Time:        10:40:12 AM
[2025-08-29 10:40:12] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:40:12] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:12] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:12] [info] User Name:           kuro
[2025-08-29 10:40:12] [info] Cores Used:          4
[2025-08-29 10:40:12] [info] Memory Utilized:     2518.29 MB / 62.569698333740234 GB

[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info]                      Top Cell Information
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:40:12] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:12] [info] Database Format:       GDSII
[2025-08-29 10:40:12] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:12] [info] |-----|-----|
[2025-08-29 10:40:12] [info]
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info]                      Performance Metrics
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info] | Stage              | Time Taken |
[2025-08-29 10:40:12] [info] |-----|-----|
[2025-08-29 10:40:12] [info] | GDS Parsing         | 0 minutes 6 seconds |
[2025-08-29 10:40:12] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:40:12] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info]                      Type of Errors | Count
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info] DB_ERR010 -> 4
[2025-08-29 10:40:12] [info] DB_WARN -> 1
[2025-08-29 10:40:12] [info] DB_WARN003 -> 438
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info]                      Summary
[2025-08-29 10:40:12] [info] -----
[2025-08-29 10:40:12] [info] Total XOR Mismatches:    4
[2025-08-29 10:40:12] [info] Total Warnings:          439
[2025-08-29 10:40:12] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:40:20] [info] =====
[2025-08-29 10:40:20] [info]                      XOR Verification Report
[2025-08-29 10:40:20] [info] =====

[2025-08-29 10:40:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:20] [info] Run Start Time:      10:40:19 AM
[2025-08-29 10:40:20] [info] Run End Time:        10:40:20 AM
[2025-08-29 10:40:20] [info] Time Taken:          0 minutes 7 seconds

[2025-08-29 10:40:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:20] [info] User Name:           kuro
[2025-08-29 10:40:20] [info] Cores Used:           4
[2025-08-29 10:40:20] [info] Memory Utilized:     2457.56 MB / 62.569698333740234 GB

[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info]                      Top Cell Information
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:40:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:20] [info] Database Format:       GDSII
[2025-08-29 10:40:20] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:20] [info] |-----|-----|
[2025-08-29 10:40:20] [info]
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info]                      Performance Metrics
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info] | Stage           | Time Taken |
[2025-08-29 10:40:20] [info] |-----|-----|
[2025-08-29 10:40:20] [info] | GDS Parsing      | 0 minutes 6 seconds |
[2025-08-29 10:40:20] [info] | Layer Comparison  | 0 minutes 0 seconds |
[2025-08-29 10:40:20] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info]                      Type of Errors | Count
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info] DB_ERR010 -> 4
[2025-08-29 10:40:20] [info] DB_WARN -> 1
[2025-08-29 10:40:20] [info] DB_WARN003 -> 442
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info]                      Summary
[2025-08-29 10:40:20] [info] -----
[2025-08-29 10:40:20] [info] Total XOR Mismatches:    4
[2025-08-29 10:40:20] [info] Total Warnings:          443
[2025-08-29 10:40:20] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:39:55] [info] =====
[2025-08-29 10:39:55] [info]                      XOR Verification Report
[2025-08-29 10:39:55] [info] =====

[2025-08-29 10:39:55] [info] Report Generated:    2025-08-29
[2025-08-29 10:39:55] [info] Run Start Time:      10:39:55 AM
[2025-08-29 10:39:55] [info] Run End Time:        10:39:55 AM
[2025-08-29 10:39:55] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:39:55] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:39:55] [info] Host Name:           kuro-Workstation
[2025-08-29 10:39:55] [info] User Name:           kuro
[2025-08-29 10:39:55] [info] Cores Used:          4
[2025-08-29 10:39:55] [info] Memory Utilized:     55.01 MB / 62.569698333740234 GB

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Top Cell Information
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] Layout Top Cell:     gcd
[2025-08-29 10:39:55] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:39:55] [info] Database Format:       GDSII
[2025-08-29 10:39:55] [info] Verification Mode:    XOR Check

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      XOR Mismatch Summary
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:39:55] [info] |-----|-----|
[2025-08-29 10:39:55] [info]
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Performance Metrics
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] | Stage              | Time Taken |
[2025-08-29 10:39:55] [info] |-----|-----|
[2025-08-29 10:39:55] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:39:55] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:39:55] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Type of Errors | Count
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] DB_ERR010 -> 4
[2025-08-29 10:39:55] [info] DB_WARN -> 1
[2025-08-29 10:39:55] [info] DB_WARN003 -> 48
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Summary
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] Total XOR Mismatches:    4
[2025-08-29 10:39:55] [info] Total Warnings:         49
[2025-08-29 10:39:55] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:39:55] [info] =====
[2025-08-29 10:39:55] [info]                      XOR Verification Report
[2025-08-29 10:39:55] [info] =====

[2025-08-29 10:39:55] [info] Report Generated:    2025-08-29
[2025-08-29 10:39:55] [info] Run Start Time:      10:39:55 AM
[2025-08-29 10:39:55] [info] Run End Time:        10:39:55 AM
[2025-08-29 10:39:55] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:39:55] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:39:55] [info] Host Name:           kuro-Workstation
[2025-08-29 10:39:55] [info] User Name:           kuro
[2025-08-29 10:39:55] [info] Cores Used:          4
[2025-08-29 10:39:55] [info] Memory Utilized:     56.52 MB / 62.569698333740234 GB

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Top Cell Information
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] Layout Top Cell:     gcd
[2025-08-29 10:39:55] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:39:55] [info] Database Format:       GDSII
[2025-08-29 10:39:55] [info] Verification Mode:    XOR Check

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      XOR Mismatch Summary
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] | Layer Name | XOR Errors |
[2025-08-29 10:39:55] [info] |-----|-----|
[2025-08-29 10:39:55] [info]
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Performance Metrics
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] | Stage | Time Taken |
[2025-08-29 10:39:55] [info] |-----|-----|
[2025-08-29 10:39:55] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:39:55] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:39:55] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Type of Errors | Count
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] DB_ERR010 -> 4
[2025-08-29 10:39:55] [info] DB_WARN -> 1
[2025-08-29 10:39:55] [info] DB_WARN003 -> 68
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info]                      Summary
[2025-08-29 10:39:55] [info] -----
[2025-08-29 10:39:55] [info] Total XOR Mismatches: 4
[2025-08-29 10:39:55] [info] Total Warnings: 69
[2025-08-29 10:39:55] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:39:56] [info] =====
[2025-08-29 10:39:56] [info]                      XOR Verification Report
[2025-08-29 10:39:56] [info] =====

[2025-08-29 10:39:56] [info] Report Generated:    2025-08-29
[2025-08-29 10:39:56] [info] Run Start Time:      10:39:56 AM
[2025-08-29 10:39:56] [info] Run End Time:        10:39:56 AM
[2025-08-29 10:39:56] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:39:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:39:56] [info] Host Name:            kuro-Workstation
[2025-08-29 10:39:56] [info] User Name:            kuro
[2025-08-29 10:39:56] [info] Cores Used:           4
[2025-08-29 10:39:56] [info] Memory Utilized:      54.44 MB / 62.569698333740234 GB

[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info]                      Top Cell Information
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info] Layout Top Cell:      gcd
[2025-08-29 10:39:56] [info] Technology Node:       Nangate45 (45nm)
[2025-08-29 10:39:56] [info] Database Format:        GDSII
[2025-08-29 10:39:56] [info] Verification Mode:     XOR Check

[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info]                      XOR Mismatch Summary
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info] | Layer Name          | XOR Errors |
[2025-08-29 10:39:56] [info] |-----|-----|
[2025-08-29 10:39:56] [info]
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info]                      Performance Metrics
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info] | Stage                | Time Taken |
[2025-08-29 10:39:56] [info] |-----|-----|
[2025-08-29 10:39:56] [info] | GDS Parsing           | 0 minutes 0 seconds |
[2025-08-29 10:39:56] [info] | Layer Comparison       | 0 minutes 0 seconds |
[2025-08-29 10:39:56] [info] | Report Generation      | 0 minutes 0 seconds |

[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info]                      Type of Errors | Count
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info] DB_ERR010 -> 4
[2025-08-29 10:39:56] [info] DB_WARN -> 1
[2025-08-29 10:39:56] [info] DB_WARN003 -> 52
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info]                      Summary
[2025-08-29 10:39:56] [info] -----
[2025-08-29 10:39:56] [info] Total XOR Mismatches:    4
[2025-08-29 10:39:56] [info] Total Warnings:          53
[2025-08-29 10:39:56] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:40:29] [info] =====
[2025-08-29 10:40:29] [info]                      XOR Verification Report
[2025-08-29 10:40:29] [info] =====

[2025-08-29 10:40:29] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:29] [info] Run Start Time:      10:40:28 AM
[2025-08-29 10:40:29] [info] Run End Time:        10:40:29 AM
[2025-08-29 10:40:29] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:40:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:29] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:29] [info] User Name:           kuro
[2025-08-29 10:40:29] [info] Cores Used:          4
[2025-08-29 10:40:29] [info] Memory Utilized:     2666.95 MB / 62.569698333740234 GB

[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info]                      Top Cell Information
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:40:29] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:29] [info] Database Format:       GDSII
[2025-08-29 10:40:29] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:29] [info] |-----|-----|
[2025-08-29 10:40:29] [info]
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info]                      Performance Metrics
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info] | Stage              | Time Taken |
[2025-08-29 10:40:29] [info] |-----|-----|
[2025-08-29 10:40:29] [info] | GDS Parsing        | 0 minutes 7 seconds |
[2025-08-29 10:40:29] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:40:29] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info]                      Type of Errors | Count
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info] DB_ERR010 -> 4
[2025-08-29 10:40:29] [info] DB_WARN -> 1
[2025-08-29 10:40:29] [info] DB_WARN003 -> 170
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info]                      Summary
[2025-08-29 10:40:29] [info] -----
[2025-08-29 10:40:29] [info] Total XOR Mismatches:    4
[2025-08-29 10:40:29] [info] Total Warnings:         171
[2025-08-29 10:40:29] [info] XOR Status:             MISMATCH

```



```

[2025-08-29 10:40:38] [info] =====
[2025-08-29 10:40:38] [info]                      XOR Verification Report
[2025-08-29 10:40:38] [info] =====

[2025-08-29 10:40:38] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:38] [info] Run Start Time:      10:40:37 AM
[2025-08-29 10:40:38] [info] Run End Time:        10:40:38 AM
[2025-08-29 10:40:38] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:40:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:38] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:38] [info] User Name:           kuro
[2025-08-29 10:40:38] [info] Cores Used:          4
[2025-08-29 10:40:38] [info] Memory Utilized:     2683.30 MB / 62.569698333740234 GB

[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info]                      Top Cell Information
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:40:38] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:38] [info] Database Format:       GDSII
[2025-08-29 10:40:38] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:38] [info] |-----|-----|
[2025-08-29 10:40:38] [info]
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info]                      Performance Metrics
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info] | Stage              | Time Taken |
[2025-08-29 10:40:38] [info] |-----|-----|
[2025-08-29 10:40:38] [info] | GDS Parsing         | 0 minutes 7 seconds |
[2025-08-29 10:40:38] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:40:38] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info]                      Type of Errors | Count
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info] DB_ERR010 -> 4
[2025-08-29 10:40:38] [info] DB_WARN -> 1
[2025-08-29 10:40:38] [info] DB_WARN003 -> 170
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info]                      Summary
[2025-08-29 10:40:38] [info] -----
[2025-08-29 10:40:38] [info] Total XOR Mismatches:    4
[2025-08-29 10:40:38] [info] Total Warnings:         171
[2025-08-29 10:40:38] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 10:40:47] [info] =====
[2025-08-29 10:40:47] [info]                      XOR Verification Report
[2025-08-29 10:40:47] [info] =====

[2025-08-29 10:40:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:40:47] [info] Run Start Time:      10:40:46 AM
[2025-08-29 10:40:47] [info] Run End Time:        10:40:47 AM
[2025-08-29 10:40:47] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:40:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:40:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:40:47] [info] User Name:           kuro
[2025-08-29 10:40:47] [info] Cores Used:          4
[2025-08-29 10:40:47] [info] Memory Utilized:     2633.10 MB / 62.569698333740234 GB

[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info]                      Top Cell Information
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:40:47] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:40:47] [info] Database Format:       GDSII
[2025-08-29 10:40:47] [info] Verification Mode:    XOR Check

[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info]                      XOR Mismatch Summary
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:40:47] [info] |-----|-----|
[2025-08-29 10:40:47] [info]
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info]                      Performance Metrics
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info] | Stage              | Time Taken |
[2025-08-29 10:40:47] [info] |-----|-----|
[2025-08-29 10:40:47] [info] | GDS Parsing        | 0 minutes 7 seconds |
[2025-08-29 10:40:47] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:40:47] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info]                      Type of Errors | Count
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info] DB_ERR010 -> 4
[2025-08-29 10:40:47] [info] DB_WARN -> 1
[2025-08-29 10:40:47] [info] DB_WARN003 -> 196
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info]                      Summary
[2025-08-29 10:40:47] [info] -----
[2025-08-29 10:40:47] [info] Total XOR Mismatches: 4
[2025-08-29 10:40:47] [info] Total Warnings:      197
[2025-08-29 10:40:47] [info] XOR Status:          MISMATCH

```

```

[2025-08-29 10:41:16] [info] =====
[2025-08-29 10:41:16] [info] XOR Verification Report
[2025-08-29 10:41:16] [info] =====

[2025-08-29 10:41:16] [info] Report Generated: 2025-08-29
[2025-08-29 10:41:16] [info] Run Start Time: 10:41:14 AM
[2025-08-29 10:41:16] [info] Run End Time: 10:41:16 AM
[2025-08-29 10:41:16] [info] Time Taken: 0 minutes 28 seconds

[2025-08-29 10:41:16] [info] Tool Version: LVR_2025.1
[2025-08-29 10:41:16] [info] Host Name: kuro-Workstation
[2025-08-29 10:41:16] [info] User Name: kuro
[2025-08-29 10:41:16] [info] Cores Used: 4
[2025-08-29 10:41:16] [info] Memory Utilized: 8377.96 MB / 62.569698333740234 GB

[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Top Cell Information
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 10:41:16] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:41:16] [info] Database Format: GDSII
[2025-08-29 10:41:16] [info] Verification Mode: XOR Check

[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] XOR Mismatch Summary
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] | Layer Name | XOR Errors |
[2025-08-29 10:41:16] [info] |-----|-----|
[2025-08-29 10:41:16] [info]
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Performance Metrics
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] | Stage | Time Taken |
[2025-08-29 10:41:16] [info] |-----|-----|
[2025-08-29 10:41:16] [info] | GDS Parsing | 0 minutes 25 seconds |
[2025-08-29 10:41:16] [info] | Layer Comparison | 0 minutes 2 seconds |
[2025-08-29 10:41:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Type of Errors | Count
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] DB_ERR010 -> 4
[2025-08-29 10:41:16] [info] DB_WARN -> 1
[2025-08-29 10:41:16] [info] DB_WARN003 -> 74
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Summary
[2025-08-29 10:41:16] [info] -----
[2025-08-29 10:41:16] [info] Total XOR Mismatches: 4
[2025-08-29 10:41:16] [info] Total Warnings: 75
[2025-08-29 10:41:16] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:41:47] [info] =====
[2025-08-29 10:41:47] [info]                      XOR Verification Report
[2025-08-29 10:41:47] [info] =====

[2025-08-29 10:41:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:41:47] [info] Run Start Time:      10:41:44 AM
[2025-08-29 10:41:47] [info] Run End Time:        10:41:47 AM
[2025-08-29 10:41:47] [info] Time Taken:          0 minutes 28 seconds

[2025-08-29 10:41:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:41:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:41:47] [info] User Name:           kuro
[2025-08-29 10:41:47] [info] Cores Used:          4
[2025-08-29 10:41:47] [info] Memory Utilized:     8662.28 MB / 62.569698333740234 GB

[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info]                      Top Cell Information
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:41:47] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:41:47] [info] Database Format:       GDSII
[2025-08-29 10:41:47] [info] Verification Mode:    XOR Check

[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info]                      XOR Mismatch Summary
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:41:47] [info] |-----|-----|
[2025-08-29 10:41:47] [info]
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info]                      Performance Metrics
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info] | Stage              | Time Taken |
[2025-08-29 10:41:47] [info] |-----|-----|
[2025-08-29 10:41:47] [info] | GDS Parsing        | 0 minutes 25 seconds |
[2025-08-29 10:41:47] [info] | Layer Comparison    | 0 minutes 2 seconds  |
[2025-08-29 10:41:47] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info]                      Type of Errors | Count
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info] DB_ERR010 -> 4
[2025-08-29 10:41:47] [info] DB_WARN -> 1
[2025-08-29 10:41:47] [info] DB_WARN003 -> 78
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info]                      Summary
[2025-08-29 10:41:47] [info] -----
[2025-08-29 10:41:47] [info] Total XOR Mismatches:    4
[2025-08-29 10:41:47] [info] Total Warnings:         79
[2025-08-29 10:41:47] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:17] [info] =====
[2025-08-29 10:42:17] [info]                      XOR Verification Report
[2025-08-29 10:42:17] [info] =====

[2025-08-29 10:42:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:17] [info] Run Start Time:      10:42:14 AM
[2025-08-29 10:42:17] [info] Run End Time:        10:42:17 AM
[2025-08-29 10:42:17] [info] Time Taken:          0 minutes 28 seconds

[2025-08-29 10:42:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:17] [info] User Name:           kuro
[2025-08-29 10:42:17] [info] Cores Used:          4
[2025-08-29 10:42:17] [info] Memory Utilized:     8342.97 MB / 62.569698333740234 GB

[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info]                      Top Cell Information
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:42:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:17] [info] Database Format:       GDSII
[2025-08-29 10:42:17] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info]                      XOR Mismatch Summary
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:42:17] [info] |-----|-----|
[2025-08-29 10:42:17] [info]
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info]                      Performance Metrics
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info] | Stage              | Time Taken |
[2025-08-29 10:42:17] [info] |-----|-----|
[2025-08-29 10:42:17] [info] | GDS Parsing        | 0 minutes 25 seconds |
[2025-08-29 10:42:17] [info] | Layer Comparison    | 0 minutes 2 seconds  |
[2025-08-29 10:42:17] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info]                      Type of Errors | Count
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info] DB_ERR010 -> 4
[2025-08-29 10:42:17] [info] DB_WARN -> 1
[2025-08-29 10:42:17] [info] DB_WARN003 -> 68
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info]                      Summary
[2025-08-29 10:42:17] [info] -----
[2025-08-29 10:42:17] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:17] [info] Total Warnings:         69
[2025-08-29 10:42:17] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:28] [info] =====
[2025-08-29 10:42:28] [info] XOR Verification Report
[2025-08-29 10:42:28] [info] =====

[2025-08-29 10:42:28] [info] Report Generated: 2025-08-29
[2025-08-29 10:42:28] [info] Run Start Time: 10:42:27 AM
[2025-08-29 10:42:28] [info] Run End Time: 10:42:28 AM
[2025-08-29 10:42:28] [info] Time Taken: 0 minutes 8 seconds

[2025-08-29 10:42:28] [info] Tool Version: LVR_2025.1
[2025-08-29 10:42:28] [info] Host Name: kuro-Workstation
[2025-08-29 10:42:28] [info] User Name: kuro
[2025-08-29 10:42:28] [info] Cores Used: 8
[2025-08-29 10:42:28] [info] Memory Utilized: 3834.91 MB / 62.569698333740234 GB

[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Top Cell Information
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:42:28] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:42:28] [info] Database Format: GDSII
[2025-08-29 10:42:28] [info] Verification Mode: XOR Check

[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] XOR Mismatch Summary
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] | Layer Name | XOR Errors |
[2025-08-29 10:42:28] [info] |-----|-----|
[2025-08-29 10:42:28] [info]
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Performance Metrics
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] | Stage | Time Taken |
[2025-08-29 10:42:28] [info] |-----|-----|
[2025-08-29 10:42:28] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-08-29 10:42:28] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:42:28] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Type of Errors | Count
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] DB_ERR010 -> 4
[2025-08-29 10:42:28] [info] DB_WARN -> 1
[2025-08-29 10:42:28] [info] DB_WARN003 -> 442
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Summary
[2025-08-29 10:42:28] [info] -----
[2025-08-29 10:42:28] [info] Total XOR Mismatches: 4
[2025-08-29 10:42:28] [info] Total Warnings: 443
[2025-08-29 10:42:28] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:42:37] [info] =====
[2025-08-29 10:42:37] [info] XOR Verification Report
[2025-08-29 10:42:37] [info] =====

[2025-08-29 10:42:37] [info] Report Generated: 2025-08-29
[2025-08-29 10:42:37] [info] Run Start Time: 10:42:37 AM
[2025-08-29 10:42:37] [info] Run End Time: 10:42:37 AM
[2025-08-29 10:42:37] [info] Time Taken: 0 minutes 8 seconds

[2025-08-29 10:42:37] [info] Tool Version: LVR_2025.1
[2025-08-29 10:42:37] [info] Host Name: kuro-Workstation
[2025-08-29 10:42:37] [info] User Name: kuro
[2025-08-29 10:42:37] [info] Cores Used: 8
[2025-08-29 10:42:37] [info] Memory Utilized: 3866.55 MB / 62.569698333740234 GB

[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Top Cell Information
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:42:37] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:42:37] [info] Database Format: GDSII
[2025-08-29 10:42:37] [info] Verification Mode: XOR Check

[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] XOR Mismatch Summary
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] | Layer Name | XOR Errors |
[2025-08-29 10:42:37] [info] |-----|-----|
[2025-08-29 10:42:37] [info]
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Performance Metrics
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] | Stage | Time Taken |
[2025-08-29 10:42:37] [info] |-----|-----|
[2025-08-29 10:42:37] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-08-29 10:42:37] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:42:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Type of Errors | Count
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] DB_ERR010 -> 4
[2025-08-29 10:42:37] [info] DB_WARN -> 1
[2025-08-29 10:42:37] [info] DB_WARN003 -> 438
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Summary
[2025-08-29 10:42:37] [info] -----
[2025-08-29 10:42:37] [info] Total XOR Mismatches: 4
[2025-08-29 10:42:37] [info] Total Warnings: 439
[2025-08-29 10:42:37] [info] XOR Status: MISMATCH

```

```

[2025-08-29 10:42:47] [info] =====
[2025-08-29 10:42:47] [info]                XOR Verification Report
[2025-08-29 10:42:47] [info] =====

[2025-08-29 10:42:47] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:47] [info] Run Start Time:      10:42:46 AM
[2025-08-29 10:42:47] [info] Run End Time:        10:42:47 AM
[2025-08-29 10:42:47] [info] Time Taken:          0 minutes 8 seconds

[2025-08-29 10:42:47] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:47] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:47] [info] User Name:           kuro
[2025-08-29 10:42:47] [info] Cores Used:           8
[2025-08-29 10:42:47] [info] Memory Utilized:     3828.25 MB / 62.569698333740234 GB

[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info]                Top Cell Information
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:42:47] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:47] [info] Database Format:       GDSII
[2025-08-29 10:42:47] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info]                XOR Mismatch Summary
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:42:47] [info] |-----|-----|
[2025-08-29 10:42:47] [info]
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info]                Performance Metrics
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info] | Stage              | Time Taken |
[2025-08-29 10:42:47] [info] |-----|-----|
[2025-08-29 10:42:47] [info] | GDS Parsing        | 0 minutes 7 seconds |
[2025-08-29 10:42:47] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:42:47] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info]                Type of Errors | Count
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info] DB_ERR010 -> 4
[2025-08-29 10:42:47] [info] DB_WARN -> 1
[2025-08-29 10:42:47] [info] DB_WARN003 -> 442
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info]                Summary
[2025-08-29 10:42:47] [info] -----
[2025-08-29 10:42:47] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:47] [info] Total Warnings:         443
[2025-08-29 10:42:47] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:19] [info] =====
[2025-08-29 10:42:19] [info]                XOR Verification Report
[2025-08-29 10:42:19] [info] =====

[2025-08-29 10:42:19] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:19] [info] Run Start Time:      10:42:19 AM
[2025-08-29 10:42:19] [info] Run End Time:        10:42:19 AM
[2025-08-29 10:42:19] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:42:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:19] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:19] [info] User Name:           kuro
[2025-08-29 10:42:19] [info] Cores Used:          8
[2025-08-29 10:42:19] [info] Memory Utilized:     84.97 MB / 62.569698333740234 GB

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Top Cell Information
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] Layout Top Cell:     gcd
[2025-08-29 10:42:19] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:19] [info] Database Format:       GDSII
[2025-08-29 10:42:19] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                XOR Mismatch Summary
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] | Layer Name | XOR Errors |
[2025-08-29 10:42:19] [info] |-----|-----|
[2025-08-29 10:42:19] [info]
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Performance Metrics
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] | Stage | Time Taken |
[2025-08-29 10:42:19] [info] |-----|-----|
[2025-08-29 10:42:19] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:42:19] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 10:42:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Type of Errors | Count
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] DB_ERR010 -> 4
[2025-08-29 10:42:19] [info] DB_WARN -> 1
[2025-08-29 10:42:19] [info] DB_WARN003 -> 48
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Summary
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:19] [info] Total Warnings:         49
[2025-08-29 10:42:19] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:19] [info] =====
[2025-08-29 10:42:19] [info]                XOR Verification Report
[2025-08-29 10:42:19] [info] =====

[2025-08-29 10:42:19] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:19] [info] Run Start Time:      10:42:19 AM
[2025-08-29 10:42:19] [info] Run End Time:        10:42:19 AM
[2025-08-29 10:42:19] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:42:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:19] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:19] [info] User Name:           kuro
[2025-08-29 10:42:19] [info] Cores Used:          8
[2025-08-29 10:42:19] [info] Memory Utilized:     85.63 MB / 62.569698333740234 GB

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Top Cell Information
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] Layout Top Cell:     gcd
[2025-08-29 10:42:19] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:19] [info] Database Format:       GDSII
[2025-08-29 10:42:19] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                XOR Mismatch Summary
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:42:19] [info] |-----|-----|
[2025-08-29 10:42:19] [info]
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Performance Metrics
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] | Stage              | Time Taken |
[2025-08-29 10:42:19] [info] |-----|-----|
[2025-08-29 10:42:19] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 10:42:19] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:42:19] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Type of Errors | Count
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] DB_ERR010 -> 4
[2025-08-29 10:42:19] [info] DB_WARN -> 1
[2025-08-29 10:42:19] [info] DB_WARN003 -> 68
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info]                Summary
[2025-08-29 10:42:19] [info] -----
[2025-08-29 10:42:19] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:19] [info] Total Warnings:         69
[2025-08-29 10:42:19] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:20] [info] =====
[2025-08-29 10:42:20] [info]                      XOR Verification Report
[2025-08-29 10:42:20] [info] =====

[2025-08-29 10:42:20] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:20] [info] Run Start Time:      10:42:20 AM
[2025-08-29 10:42:20] [info] Run End Time:        10:42:20 AM
[2025-08-29 10:42:20] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 10:42:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:20] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:20] [info] User Name:           kuro
[2025-08-29 10:42:20] [info] Cores Used:          8
[2025-08-29 10:42:20] [info] Memory Utilized:     84.20 MB / 62.569698333740234 GB

[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info]                      Top Cell Information
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info] Layout Top Cell:     gcd
[2025-08-29 10:42:20] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:20] [info] Database Format:       GDSII
[2025-08-29 10:42:20] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info]                      XOR Mismatch Summary
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:42:20] [info] |-----|-----|
[2025-08-29 10:42:20] [info]
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info]                      Performance Metrics
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info] | Stage              | Time Taken |
[2025-08-29 10:42:20] [info] |-----|-----|
[2025-08-29 10:42:20] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 10:42:20] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:42:20] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info]                      Type of Errors | Count
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info] DB_ERR010 -> 4
[2025-08-29 10:42:20] [info] DB_WARN -> 1
[2025-08-29 10:42:20] [info] DB_WARN003 -> 52
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info]                      Summary
[2025-08-29 10:42:20] [info] -----
[2025-08-29 10:42:20] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:20] [info] Total Warnings:         53
[2025-08-29 10:42:20] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:42:57] [info] =====
[2025-08-29 10:42:57] [info]                      XOR Verification Report
[2025-08-29 10:42:57] [info] =====

[2025-08-29 10:42:57] [info] Report Generated:    2025-08-29
[2025-08-29 10:42:57] [info] Run Start Time:      10:42:56 AM
[2025-08-29 10:42:57] [info] Run End Time:        10:42:57 AM
[2025-08-29 10:42:57] [info] Time Taken:          0 minutes 9 seconds

[2025-08-29 10:42:57] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:42:57] [info] Host Name:           kuro-Workstation
[2025-08-29 10:42:57] [info] User Name:           kuro
[2025-08-29 10:42:57] [info] Cores Used:          8
[2025-08-29 10:42:57] [info] Memory Utilized:     4178.73 MB / 62.569698333740234 GB

[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info]                      Top Cell Information
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:42:57] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:42:57] [info] Database Format:       GDSII
[2025-08-29 10:42:57] [info] Verification Mode:    XOR Check

[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info]                      XOR Mismatch Summary
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:42:57] [info] |-----|-----|
[2025-08-29 10:42:57] [info]
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info]                      Performance Metrics
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info] | Stage              | Time Taken |
[2025-08-29 10:42:57] [info] |-----|-----|
[2025-08-29 10:42:57] [info] | GDS Parsing        | 0 minutes 8 seconds |
[2025-08-29 10:42:57] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:42:57] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info]                      Type of Errors | Count
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info] DB_ERR010 -> 4
[2025-08-29 10:42:57] [info] DB_WARN -> 1
[2025-08-29 10:42:57] [info] DB_WARN003 -> 170
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info]                      Summary
[2025-08-29 10:42:57] [info] -----
[2025-08-29 10:42:57] [info] Total XOR Mismatches:    4
[2025-08-29 10:42:57] [info] Total Warnings:         171
[2025-08-29 10:42:57] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:43:07] [info] =====
[2025-08-29 10:43:07] [info]                      XOR Verification Report
[2025-08-29 10:43:07] [info] =====

[2025-08-29 10:43:07] [info] Report Generated:    2025-08-29
[2025-08-29 10:43:07] [info] Run Start Time:      10:43:06 AM
[2025-08-29 10:43:07] [info] Run End Time:        10:43:07 AM
[2025-08-29 10:43:07] [info] Time Taken:          0 minutes 9 seconds

[2025-08-29 10:43:07] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:43:07] [info] Host Name:           kuro-Workstation
[2025-08-29 10:43:07] [info] User Name:           kuro
[2025-08-29 10:43:07] [info] Cores Used:          8
[2025-08-29 10:43:07] [info] Memory Utilized:     4283.35 MB / 62.569698333740234 GB

[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info]                      Top Cell Information
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:43:07] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:43:07] [info] Database Format:       GDSII
[2025-08-29 10:43:07] [info] Verification Mode:    XOR Check

[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info]                      XOR Mismatch Summary
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:43:07] [info] |-----|-----|
[2025-08-29 10:43:07] [info]
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info]                      Performance Metrics
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info] | Stage              | Time Taken |
[2025-08-29 10:43:07] [info] |-----|-----|
[2025-08-29 10:43:07] [info] | GDS Parsing         | 0 minutes 8 seconds |
[2025-08-29 10:43:07] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 10:43:07] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info]                      Type of Errors | Count
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info] DB_ERR010 -> 4
[2025-08-29 10:43:07] [info] DB_WARN -> 1
[2025-08-29 10:43:07] [info] DB_WARN003 -> 170
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info]                      Summary
[2025-08-29 10:43:07] [info] -----
[2025-08-29 10:43:07] [info] Total XOR Mismatches:    4
[2025-08-29 10:43:07] [info] Total Warnings:         171
[2025-08-29 10:43:07] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:43:17] [info] =====
[2025-08-29 10:43:17] [info]                      XOR Verification Report
[2025-08-29 10:43:17] [info] =====

[2025-08-29 10:43:17] [info] Report Generated:    2025-08-29
[2025-08-29 10:43:17] [info] Run Start Time:      10:43:17 AM
[2025-08-29 10:43:17] [info] Run End Time:        10:43:17 AM
[2025-08-29 10:43:17] [info] Time Taken:          0 minutes 9 seconds

[2025-08-29 10:43:17] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:43:17] [info] Host Name:           kuro-Workstation
[2025-08-29 10:43:17] [info] User Name:           kuro
[2025-08-29 10:43:17] [info] Cores Used:          8
[2025-08-29 10:43:17] [info] Memory Utilized:     4160.91 MB / 62.569698333740234 GB

[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info]                      Top Cell Information
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info] Layout Top Cell:     ibex_core
[2025-08-29 10:43:17] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:43:17] [info] Database Format:       GDSII
[2025-08-29 10:43:17] [info] Verification Mode:    XOR Check

[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info]                      XOR Mismatch Summary
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:43:17] [info] |-----|-----|
[2025-08-29 10:43:17] [info]
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info]                      Performance Metrics
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info] | Stage              | Time Taken |
[2025-08-29 10:43:17] [info] |-----|-----|
[2025-08-29 10:43:17] [info] | GDS Parsing        | 0 minutes 8 seconds |
[2025-08-29 10:43:17] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 10:43:17] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info]                      Type of Errors | Count
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info] DB_ERR010 -> 4
[2025-08-29 10:43:17] [info] DB_WARN -> 1
[2025-08-29 10:43:17] [info] DB_WARN003 -> 196
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info]                      Summary
[2025-08-29 10:43:17] [info] -----
[2025-08-29 10:43:17] [info] Total XOR Mismatches:    4
[2025-08-29 10:43:17] [info] Total Warnings:         197
[2025-08-29 10:43:17] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:43:51] [info] =====
[2025-08-29 10:43:51] [info]                      XOR Verification Report
[2025-08-29 10:43:51] [info] =====

[2025-08-29 10:43:51] [info] Report Generated:    2025-08-29
[2025-08-29 10:43:51] [info] Run Start Time:      10:43:48 AM
[2025-08-29 10:43:51] [info] Run End Time:        10:43:51 AM
[2025-08-29 10:43:51] [info] Time Taken:          0 minutes 32 seconds

[2025-08-29 10:43:51] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:43:51] [info] Host Name:           kuro-Workstation
[2025-08-29 10:43:51] [info] User Name:           kuro
[2025-08-29 10:43:51] [info] Cores Used:          8
[2025-08-29 10:43:51] [info] Memory Utilized:     13604.73 MB / 62.569698333740234 GB

[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info]                      Top Cell Information
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:43:51] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:43:51] [info] Database Format:       GDSII
[2025-08-29 10:43:51] [info] Verification Mode:    XOR Check

[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info]                      XOR Mismatch Summary
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:43:51] [info] |-----|-----|
[2025-08-29 10:43:51] [info]
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info]                      Performance Metrics
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info] | Stage              | Time Taken |
[2025-08-29 10:43:51] [info] |-----|-----|
[2025-08-29 10:43:51] [info] | GDS Parsing         | 0 minutes 29 seconds |
[2025-08-29 10:43:51] [info] | Layer Comparison     | 0 minutes 2 seconds  |
[2025-08-29 10:43:51] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info]                      Type of Errors | Count
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info] DB_ERR010 -> 4
[2025-08-29 10:43:51] [info] DB_WARN -> 1
[2025-08-29 10:43:51] [info] DB_WARN003 -> 74
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info]                      Summary
[2025-08-29 10:43:51] [info] -----
[2025-08-29 10:43:51] [info] Total XOR Mismatches:    4
[2025-08-29 10:43:51] [info] Total Warnings:         75
[2025-08-29 10:43:51] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:44:26] [info] =====
[2025-08-29 10:44:26] [info]                      XOR Verification Report
[2025-08-29 10:44:26] [info] =====

[2025-08-29 10:44:26] [info] Report Generated:    2025-08-29
[2025-08-29 10:44:26] [info] Run Start Time:      10:44:23 AM
[2025-08-29 10:44:26] [info] Run End Time:        10:44:26 AM
[2025-08-29 10:44:26] [info] Time Taken:          0 minutes 33 seconds

[2025-08-29 10:44:26] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:44:26] [info] Host Name:           kuro-Workstation
[2025-08-29 10:44:26] [info] User Name:           kuro
[2025-08-29 10:44:26] [info] Cores Used:          8
[2025-08-29 10:44:26] [info] Memory Utilized:     13738.25 MB / 62.569698333740234 GB

[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info]                      Top Cell Information
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:44:26] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:44:26] [info] Database Format:       GDSII
[2025-08-29 10:44:26] [info] Verification Mode:    XOR Check

[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info]                      XOR Mismatch Summary
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info] | Layer Name | XOR Errors |
[2025-08-29 10:44:26] [info] |-----|-----|
[2025-08-29 10:44:26] [info]
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info]                      Performance Metrics
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info] | Stage | Time Taken |
[2025-08-29 10:44:26] [info] |-----|-----|
[2025-08-29 10:44:26] [info] | GDS Parsing | 0 minutes 30 seconds |
[2025-08-29 10:44:26] [info] | Layer Comparison | 0 minutes 2 seconds |
[2025-08-29 10:44:26] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info]                      Type of Errors | Count
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info] DB_ERR010 -> 4
[2025-08-29 10:44:26] [info] DB_WARN -> 1
[2025-08-29 10:44:26] [info] DB_WARN003 -> 78
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info]                      Summary
[2025-08-29 10:44:26] [info] -----
[2025-08-29 10:44:26] [info] Total XOR Mismatches:    4
[2025-08-29 10:44:26] [info] Total Warnings:         79
[2025-08-29 10:44:26] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 10:45:01] [info] =====
[2025-08-29 10:45:01] [info]                      XOR Verification Report
[2025-08-29 10:45:01] [info] =====

[2025-08-29 10:45:01] [info] Report Generated:    2025-08-29
[2025-08-29 10:45:01] [info] Run Start Time:      10:44:58 AM
[2025-08-29 10:45:01] [info] Run End Time:        10:45:00 AM
[2025-08-29 10:45:01] [info] Time Taken:          0 minutes 32 seconds

[2025-08-29 10:45:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:45:01] [info] Host Name:           kuro-Workstation
[2025-08-29 10:45:01] [info] User Name:           kuro
[2025-08-29 10:45:01] [info] Cores Used:          8
[2025-08-29 10:45:01] [info] Memory Utilized:     13536.80 MB / 62.569698333740234 GB

[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info]                      Top Cell Information
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info] Layout Top Cell:     jpeg_encoder
[2025-08-29 10:45:01] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:45:01] [info] Database Format:       GDSII
[2025-08-29 10:45:01] [info] Verification Mode:    XOR Check

[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info]                      XOR Mismatch Summary
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info] | Layer Name      | XOR Errors |
[2025-08-29 10:45:01] [info] |-----|-----|
[2025-08-29 10:45:01] [info]
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info]                      Performance Metrics
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info] | Stage              | Time Taken |
[2025-08-29 10:45:01] [info] |-----|-----|
[2025-08-29 10:45:01] [info] | GDS Parsing        | 0 minutes 29 seconds |
[2025-08-29 10:45:01] [info] | Layer Comparison    | 0 minutes 2 seconds  |
[2025-08-29 10:45:01] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info]                      Type of Errors | Count
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info] DB_ERR010 -> 4
[2025-08-29 10:45:01] [info] DB_WARN -> 1
[2025-08-29 10:45:01] [info] DB_WARN003 -> 68
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info]                      Summary
[2025-08-29 10:45:01] [info] -----
[2025-08-29 10:45:01] [info] Total XOR Mismatches:    4
[2025-08-29 10:45:01] [info] Total Warnings:         69
[2025-08-29 10:45:01] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 09:44:37] [info] =====
[2025-08-29 09:44:37] [info]                      XOR Verification Report
[2025-08-29 09:44:37] [info] =====

[2025-08-29 09:44:37] [info] Report Generated:    2025-08-29
[2025-08-29 09:44:37] [info] Run Start Time:      09:44:36 AM
[2025-08-29 09:44:37] [info] Run End Time:        09:44:37 AM
[2025-08-29 09:44:37] [info] Time Taken:          0 minutes 24 seconds

[2025-08-29 09:44:37] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:44:37] [info] Host Name:           kuro-Workstation
[2025-08-29 09:44:37] [info] User Name:           kuro
[2025-08-29 09:44:37] [info] Cores Used:          16
[2025-08-29 09:44:37] [info] Memory Utilized:     11396.38 MB / 62.569698333740234 GB

[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info]                      Top Cell Information
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-08-29 09:44:37] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:44:37] [info] Database Format:       GDSII
[2025-08-29 09:44:37] [info] Verification Mode:    XOR Check

[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info]                      XOR Mismatch Summary
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:44:37] [info] |-----|-----|
[2025-08-29 09:44:37] [info]
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info]                      Performance Metrics
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info] | Stage              | Time Taken |
[2025-08-29 09:44:37] [info] |-----|-----|
[2025-08-29 09:44:37] [info] | GDS Parsing        | 0 minutes 22 seconds |
[2025-08-29 09:44:37] [info] | Layer Comparison    | 0 minutes 0 seconds  |
[2025-08-29 09:44:37] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info]                      Type of Errors | Count
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info] DB_ERR010 -> 4
[2025-08-29 09:44:37] [info] DB_WARN -> 1
[2025-08-29 09:44:37] [info] LRF_ERR001 -> 14
[2025-08-29 09:44:37] [info] DB_WARN002 -> 288
[2025-08-29 09:44:37] [info] DB_WARN003 -> 274
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info]                      Summary
[2025-08-29 09:44:37] [info] -----
[2025-08-29 09:44:37] [info] Total XOR Mismatches:    18
[2025-08-29 09:44:37] [info] Total Warnings:          563
[2025-08-29 09:44:37] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:45:07] [info] =====
[2025-08-29 09:45:07] [info]                      XOR Verification Report
[2025-08-29 09:45:07] [info] =====

[2025-08-29 09:45:07] [info] Report Generated:    2025-08-29
[2025-08-29 09:45:07] [info] Run Start Time:      09:45:06 AM
[2025-08-29 09:45:07] [info] Run End Time:        09:45:07 AM
[2025-08-29 09:45:07] [info] Time Taken:          0 minutes 26 seconds

[2025-08-29 09:45:07] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:45:07] [info] Host Name:           kuro-Workstation
[2025-08-29 09:45:07] [info] User Name:           kuro
[2025-08-29 09:45:07] [info] Cores Used:          16
[2025-08-29 09:45:07] [info] Memory Utilized:     12061.78 MB / 62.569698333740234 GB

[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info]                      Top Cell Information
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-08-29 09:45:07] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:45:07] [info] Database Format:       GDSII
[2025-08-29 09:45:07] [info] Verification Mode:    XOR Check

[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info]                      XOR Mismatch Summary
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:45:07] [info] |-----|-----|
[2025-08-29 09:45:07] [info]
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info]                      Performance Metrics
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info] | Stage              | Time Taken |
[2025-08-29 09:45:07] [info] |-----|-----|
[2025-08-29 09:45:07] [info] | GDS Parsing        | 0 minutes 25 seconds |
[2025-08-29 09:45:07] [info] | Layer Comparison    | 0 minutes 0 seconds  |
[2025-08-29 09:45:07] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info]                      Type of Errors | Count
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info] DB_ERR010 -> 4
[2025-08-29 09:45:07] [info] DB_WARN -> 1
[2025-08-29 09:45:07] [info] LRF_ERR001 -> 14
[2025-08-29 09:45:07] [info] DB_WARN002 -> 282
[2025-08-29 09:45:07] [info] DB_WARN003 -> 270
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info]                      Summary
[2025-08-29 09:45:07] [info] -----
[2025-08-29 09:45:07] [info] Total XOR Mismatches:    18
[2025-08-29 09:45:07] [info] Total Warnings:          553
[2025-08-29 09:45:07] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:45:32] [info] =====
[2025-08-29 09:45:32] [info]                      XOR Verification Report
[2025-08-29 09:45:32] [info] =====

[2025-08-29 09:45:32] [info] Report Generated:    2025-08-29
[2025-08-29 09:45:32] [info] Run Start Time:      09:45:31 AM
[2025-08-29 09:45:32] [info] Run End Time:        09:45:31 AM
[2025-08-29 09:45:32] [info] Time Taken:          0 minutes 20 seconds

[2025-08-29 09:45:32] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:45:32] [info] Host Name:           kuro-Workstation
[2025-08-29 09:45:32] [info] User Name:           kuro
[2025-08-29 09:45:32] [info] Cores Used:          16
[2025-08-29 09:45:32] [info] Memory Utilized:     9355.11 MB / 62.569698333740234 GB

[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info]                      Top Cell Information
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-08-29 09:45:32] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:45:32] [info] Database Format:       GDSII
[2025-08-29 09:45:32] [info] Verification Mode:    XOR Check

[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info]                      XOR Mismatch Summary
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info] | Layer Name | XOR Errors |
[2025-08-29 09:45:32] [info] |-----|-----|
[2025-08-29 09:45:32] [info]
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info]                      Performance Metrics
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info] | Stage | Time Taken |
[2025-08-29 09:45:32] [info] |-----|-----|
[2025-08-29 09:45:32] [info] | GDS Parsing | 0 minutes 19 seconds |
[2025-08-29 09:45:32] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:45:32] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info]                      Type of Errors | Count
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info] DB_ERR010 -> 4
[2025-08-29 09:45:32] [info] DB_WARN -> 1
[2025-08-29 09:45:32] [info] LRF_ERR001 -> 14
[2025-08-29 09:45:32] [info] DB_WARN002 -> 276
[2025-08-29 09:45:32] [info] DB_WARN003 -> 264
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info]                      Summary
[2025-08-29 09:45:32] [info] -----
[2025-08-29 09:45:32] [info] Total XOR Mismatches:    18
[2025-08-29 09:45:32] [info] Total Warnings:         541
[2025-08-29 09:45:32] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:44:12] [info] =====
[2025-08-29 09:44:12] [info]                      XOR Verification Report
[2025-08-29 09:44:12] [info] =====

[2025-08-29 09:44:12] [info] Report Generated:    2025-08-29
[2025-08-29 09:44:12] [info] Run Start Time:      09:44:12 AM
[2025-08-29 09:44:12] [info] Run End Time:        09:44:12 AM
[2025-08-29 09:44:12] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:44:12] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:44:12] [info] Host Name:           kuro-Workstation
[2025-08-29 09:44:12] [info] User Name:           kuro
[2025-08-29 09:44:12] [info] Cores Used:          16
[2025-08-29 09:44:12] [info] Memory Utilized:     185.43 MB / 62.569698333740234 GB

[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info]                      Top Cell Information
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info] Layout Top Cell:     gcd1_sky130hd
[2025-08-29 09:44:12] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:44:12] [info] Database Format:       GDSII
[2025-08-29 09:44:12] [info] Verification Mode:    XOR Check

[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info]                      XOR Mismatch Summary
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:44:12] [info] |-----|-----|
[2025-08-29 09:44:12] [info]
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info]                      Performance Metrics
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info] | Stage              | Time Taken |
[2025-08-29 09:44:12] [info] |-----|-----|
[2025-08-29 09:44:12] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 09:44:12] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 09:44:12] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info]                      Type of Errors | Count
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info] DB_ERR010 -> 4
[2025-08-29 09:44:12] [info] DB_WARN -> 1
[2025-08-29 09:44:12] [info] LRF_ERR001 -> 14
[2025-08-29 09:44:12] [info] DB_WARN002 -> 116
[2025-08-29 09:44:12] [info] DB_WARN003 -> 110
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info]                      Summary
[2025-08-29 09:44:12] [info] -----
[2025-08-29 09:44:12] [info] Total XOR Mismatches:    18
[2025-08-29 09:44:12] [info] Total Warnings:          227
[2025-08-29 09:44:12] [info] XOR Status:              MISMATCH

```

```
[2025-08-29 09:44:13] [info] =====
[2025-08-29 09:44:13] [info]                XOR Verification Report
[2025-08-29 09:44:13] [info] =====

[2025-08-29 09:44:13] [info] Report Generated:    2025-08-29
[2025-08-29 09:44:13] [info] Run Start Time:      09:44:13 AM
[2025-08-29 09:44:13] [info] Run End Time:        09:44:13 AM
[2025-08-29 09:44:13] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:44:13] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:44:13] [info] Host Name:           kuro-Workstation
[2025-08-29 09:44:13] [info] User Name:           kuro
[2025-08-29 09:44:13] [info] Cores Used:          16
[2025-08-29 09:44:13] [info] Memory Utilized:     183.51 MB / 62.569698333740234 GB

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                Top Cell Information
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] Layout Top Cell:     gcd2_sky130hd
[2025-08-29 09:44:13] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:44:13] [info] Database Format:       GDSII
[2025-08-29 09:44:13] [info] Verification Mode:    XOR Check

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                XOR Mismatch Summary
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] | Layer Name | XOR Errors |
[2025-08-29 09:44:13] [info] |-----|-----|
[2025-08-29 09:44:13] [info]
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                Performance Metrics
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] | Stage | Time Taken |
[2025-08-29 09:44:13] [info] |-----|-----|
[2025-08-29 09:44:13] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:44:13] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:44:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                Type of Errors | Count
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] DB_ERR010 -> 4
[2025-08-29 09:44:13] [info] DB_WARN -> 1
[2025-08-29 09:44:13] [info] LRF_ERR001 -> 14
[2025-08-29 09:44:13] [info] DB_WARN002 -> 118
[2025-08-29 09:44:13] [info] DB_WARN003 -> 112
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                Summary
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] Total XOR Mismatches:    18
[2025-08-29 09:44:13] [info] Total Warnings:          231
[2025-08-29 09:44:13] [info] XOR Status:              MISMATCH
```

```

[2025-08-29 09:44:13] [info] =====
[2025-08-29 09:44:13] [info]                      XOR Verification Report
[2025-08-29 09:44:13] [info] =====

[2025-08-29 09:44:13] [info] Report Generated:    2025-08-29
[2025-08-29 09:44:13] [info] Run Start Time:      09:44:13 AM
[2025-08-29 09:44:13] [info] Run End Time:        09:44:13 AM
[2025-08-29 09:44:13] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:44:13] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:44:13] [info] Host Name:           kuro-Workstation
[2025-08-29 09:44:13] [info] User Name:           kuro
[2025-08-29 09:44:13] [info] Cores Used:          16
[2025-08-29 09:44:13] [info] Memory Utilized:     173.76 MB / 62.569698333740234 GB

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                      Top Cell Information
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] Layout Top Cell:     gcd3_sky130hd
[2025-08-29 09:44:13] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:44:13] [info] Database Format:       GDSII
[2025-08-29 09:44:13] [info] Verification Mode:    XOR Check

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                      XOR Mismatch Summary
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] | Layer Name | XOR Errors |
[2025-08-29 09:44:13] [info] |-----|-----|
[2025-08-29 09:44:13] [info]
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                      Performance Metrics
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] | Stage | Time Taken |
[2025-08-29 09:44:13] [info] |-----|-----|
[2025-08-29 09:44:13] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:44:13] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:44:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                      Type of Errors | Count
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] DB_ERR010 -> 4
[2025-08-29 09:44:13] [info] DB_WARN -> 1
[2025-08-29 09:44:13] [info] LRF_ERR001 -> 14
[2025-08-29 09:44:13] [info] DB_WARN002 -> 118
[2025-08-29 09:44:13] [info] DB_WARN003 -> 112
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info]                      Summary
[2025-08-29 09:44:13] [info] -----
[2025-08-29 09:44:13] [info] Total XOR Mismatches:    18
[2025-08-29 09:44:13] [info] Total Warnings:          231
[2025-08-29 09:44:13] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:46:01] [info] =====
[2025-08-29 09:46:01] [info]                      XOR Verification Report
[2025-08-29 09:46:01] [info] =====

[2025-08-29 09:46:01] [info] Report Generated:    2025-08-29
[2025-08-29 09:46:01] [info] Run Start Time:      09:46:00 AM
[2025-08-29 09:46:01] [info] Run End Time:        09:46:01 AM
[2025-08-29 09:46:01] [info] Time Taken:          0 minutes 26 seconds

[2025-08-29 09:46:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:46:01] [info] Host Name:           kuro-Workstation
[2025-08-29 09:46:01] [info] User Name:           kuro
[2025-08-29 09:46:01] [info] Cores Used:          16
[2025-08-29 09:46:01] [info] Memory Utilized:     12076.29 MB / 62.569698333740234 GB

[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info]                      Top Cell Information
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-08-29 09:46:01] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:46:01] [info] Database Format:       GDSII
[2025-08-29 09:46:01] [info] Verification Mode:    XOR Check

[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info]                      XOR Mismatch Summary
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:46:01] [info] |-----|-----|
[2025-08-29 09:46:01] [info]
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info]                      Performance Metrics
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info] | Stage              | Time Taken |
[2025-08-29 09:46:01] [info] |-----|-----|
[2025-08-29 09:46:01] [info] | GDS Parsing        | 0 minutes 25 seconds |
[2025-08-29 09:46:01] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:46:01] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info]                      Type of Errors | Count
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info] DB_ERR010 -> 4
[2025-08-29 09:46:01] [info] DB_WARN -> 1
[2025-08-29 09:46:01] [info] LRF_ERR001 -> 14
[2025-08-29 09:46:01] [info] DB_WARN002 -> 502
[2025-08-29 09:46:01] [info] DB_WARN003 -> 502
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info]                      Summary
[2025-08-29 09:46:01] [info] -----
[2025-08-29 09:46:01] [info] Total XOR Mismatches:    18
[2025-08-29 09:46:01] [info] Total Warnings:          1005
[2025-08-29 09:46:01] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:46:32] [info] =====
[2025-08-29 09:46:32] [info]                      XOR Verification Report
[2025-08-29 09:46:32] [info] =====

[2025-08-29 09:46:32] [info] Report Generated:    2025-08-29
[2025-08-29 09:46:32] [info] Run Start Time:      09:46:31 AM
[2025-08-29 09:46:32] [info] Run End Time:        09:46:32 AM
[2025-08-29 09:46:32] [info] Time Taken:          0 minutes 26 seconds

[2025-08-29 09:46:32] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:46:32] [info] Host Name:           kuro-Workstation
[2025-08-29 09:46:32] [info] User Name:           kuro
[2025-08-29 09:46:32] [info] Cores Used:          16
[2025-08-29 09:46:32] [info] Memory Utilized:     12086.92 MB / 62.569698333740234 GB

[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info]                      Top Cell Information
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-08-29 09:46:32] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:46:32] [info] Database Format:       GDSII
[2025-08-29 09:46:32] [info] Verification Mode:    XOR Check

[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info]                      XOR Mismatch Summary
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:46:32] [info] |-----|-----|
[2025-08-29 09:46:32] [info]
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info]                      Performance Metrics
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info] | Stage              | Time Taken |
[2025-08-29 09:46:32] [info] |-----|-----|
[2025-08-29 09:46:32] [info] | GDS Parsing         | 0 minutes 25 seconds |
[2025-08-29 09:46:32] [info] | Layer Comparison     | 0 minutes 1 seconds  |
[2025-08-29 09:46:32] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info]                      Type of Errors | Count
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info] DB_ERR010 -> 4
[2025-08-29 09:46:32] [info] DB_WARN -> 1
[2025-08-29 09:46:32] [info] LRF_ERR001 -> 14
[2025-08-29 09:46:32] [info] DB_WARN002 -> 498
[2025-08-29 09:46:32] [info] DB_WARN003 -> 498
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info]                      Summary
[2025-08-29 09:46:32] [info] -----
[2025-08-29 09:46:32] [info] Total XOR Mismatches:    18
[2025-08-29 09:46:32] [info] Total Warnings:          997
[2025-08-29 09:46:32] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:47:02] [info] =====
[2025-08-29 09:47:02] [info]                      XOR Verification Report
[2025-08-29 09:47:02] [info] =====

[2025-08-29 09:47:02] [info] Report Generated:    2025-08-29
[2025-08-29 09:47:02] [info] Run Start Time:      09:47:00 AM
[2025-08-29 09:47:02] [info] Run End Time:        09:47:02 AM
[2025-08-29 09:47:02] [info] Time Taken:          0 minutes 25 seconds

[2025-08-29 09:47:02] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:47:02] [info] Host Name:           kuro-Workstation
[2025-08-29 09:47:02] [info] User Name:           kuro
[2025-08-29 09:47:02] [info] Cores Used:           16
[2025-08-29 09:47:02] [info] Memory Utilized:     11830.72 MB / 62.569698333740234 GB

[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info]                      Top Cell Information
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-08-29 09:47:02] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:47:02] [info] Database Format:       GDSII
[2025-08-29 09:47:02] [info] Verification Mode:    XOR Check

[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info]                      XOR Mismatch Summary
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info] | Layer Name | XOR Errors |
[2025-08-29 09:47:02] [info] |-----|-----|
[2025-08-29 09:47:02] [info]
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info]                      Performance Metrics
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info] | Stage | Time Taken |
[2025-08-29 09:47:02] [info] |-----|-----|
[2025-08-29 09:47:02] [info] | GDS Parsing | 0 minutes 24 seconds |
[2025-08-29 09:47:02] [info] | Layer Comparison | 0 minutes 1 seconds |
[2025-08-29 09:47:02] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info]                      Type of Errors | Count
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info] DB_ERR010 -> 4
[2025-08-29 09:47:02] [info] DB_WARN -> 1
[2025-08-29 09:47:02] [info] LRF_ERR001 -> 14
[2025-08-29 09:47:02] [info] DB_WARN002 -> 506
[2025-08-29 09:47:02] [info] DB_WARN003 -> 502
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info]                      Summary
[2025-08-29 09:47:02] [info] -----
[2025-08-29 09:47:02] [info] Total XOR Mismatches:    18
[2025-08-29 09:47:02] [info] Total Warnings:          1009
[2025-08-29 09:47:02] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:48:12] [info] =====
[2025-08-29 09:48:12] [info]                      XOR Verification Report
[2025-08-29 09:48:12] [info] =====

[2025-08-29 09:48:12] [info] Report Generated:    2025-08-29
[2025-08-29 09:48:12] [info] Run Start Time:      09:48:09 AM
[2025-08-29 09:48:12] [info] Run End Time:        09:48:12 AM
[2025-08-29 09:48:12] [info] Time Taken:          1 minutes 7 seconds

[2025-08-29 09:48:12] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:48:12] [info] Host Name:           kuro-Workstation
[2025-08-29 09:48:12] [info] User Name:           kuro
[2025-08-29 09:48:12] [info] Cores Used:          16
[2025-08-29 09:48:12] [info] Memory Utilized:     28598.21 MB / 62.569698333740234 GB

[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info]                      Top Cell Information
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-08-29 09:48:12] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:48:12] [info] Database Format:       GDSII
[2025-08-29 09:48:12] [info] Verification Mode:    XOR Check

[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info]                      XOR Mismatch Summary
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:48:12] [info] |-----|-----|
[2025-08-29 09:48:12] [info]
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info]                      Performance Metrics
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info] | Stage              | Time Taken |
[2025-08-29 09:48:12] [info] |-----|-----|
[2025-08-29 09:48:12] [info] | GDS Parsing         | 1 minutes 3 seconds |
[2025-08-29 09:48:12] [info] | Layer Comparison     | 0 minutes 2 seconds |
[2025-08-29 09:48:12] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info]                      Type of Errors | Count
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info] DB_ERR010 -> 4
[2025-08-29 09:48:12] [info] DB_WARN -> 1
[2025-08-29 09:48:12] [info] LRF_ERR001 -> 14
[2025-08-29 09:48:12] [info] DB_WARN002 -> 318
[2025-08-29 09:48:12] [info] DB_WARN003 -> 322
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info]                      Summary
[2025-08-29 09:48:12] [info] -----
[2025-08-29 09:48:12] [info] Total XOR Mismatches:    18
[2025-08-29 09:48:12] [info] Total Warnings:          641
[2025-08-29 09:48:12] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:49:34] [info] =====
[2025-08-29 09:49:34] [info]                      XOR Verification Report
[2025-08-29 09:49:34] [info] =====

[2025-08-29 09:49:34] [info] Report Generated:    2025-08-29
[2025-08-29 09:49:34] [info] Run Start Time:      09:49:30 AM
[2025-08-29 09:49:34] [info] Run End Time:        09:49:34 AM
[2025-08-29 09:49:34] [info] Time Taken:          1 minutes 12 seconds

[2025-08-29 09:49:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:49:34] [info] Host Name:           kuro-Workstation
[2025-08-29 09:49:34] [info] User Name:           kuro
[2025-08-29 09:49:34] [info] Cores Used:          16
[2025-08-29 09:49:34] [info] Memory Utilized:     30376.38 MB / 62.569698333740234 GB

[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info]                      Top Cell Information
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-08-29 09:49:34] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:49:34] [info] Database Format:       GDSII
[2025-08-29 09:49:34] [info] Verification Mode:    XOR Check

[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info]                      XOR Mismatch Summary
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:49:34] [info] |-----|-----|
[2025-08-29 09:49:34] [info]
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info]                      Performance Metrics
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info] | Stage              | Time Taken |
[2025-08-29 09:49:34] [info] |-----|-----|
[2025-08-29 09:49:34] [info] | GDS Parsing        | 1 minutes 8 seconds |
[2025-08-29 09:49:34] [info] | Layer Comparison    | 0 minutes 3 seconds |
[2025-08-29 09:49:34] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info]                      Type of Errors | Count
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info] DB_ERR010 -> 4
[2025-08-29 09:49:34] [info] DB_WARN -> 1
[2025-08-29 09:49:34] [info] LRF_ERR001 -> 14
[2025-08-29 09:49:34] [info] DB_WARN002 -> 314
[2025-08-29 09:49:34] [info] DB_WARN003 -> 318
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info]                      Summary
[2025-08-29 09:49:34] [info] -----
[2025-08-29 09:49:34] [info] Total XOR Mismatches:    18
[2025-08-29 09:49:34] [info] Total Warnings:          633
[2025-08-29 09:49:34] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:50:49] [info] =====
[2025-08-29 09:50:49] [info]                      XOR Verification Report
[2025-08-29 09:50:49] [info] =====

[2025-08-29 09:50:49] [info] Report Generated:    2025-08-29
[2025-08-29 09:50:49] [info] Run Start Time:      09:50:45 AM
[2025-08-29 09:50:49] [info] Run End Time:        09:50:49 AM
[2025-08-29 09:50:49] [info] Time Taken:          1 minutes 4 seconds

[2025-08-29 09:50:49] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:50:49] [info] Host Name:           kuro-Workstation
[2025-08-29 09:50:49] [info] User Name:           kuro
[2025-08-29 09:50:49] [info] Cores Used:          16
[2025-08-29 09:50:49] [info] Memory Utilized:     27966.32 MB / 62.569698333740234 GB

[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info]                      Top Cell Information
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-08-29 09:50:49] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:50:49] [info] Database Format:       GDSII
[2025-08-29 09:50:49] [info] Verification Mode:    XOR Check

[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info]                      XOR Mismatch Summary
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:50:49] [info] |-----|-----|
[2025-08-29 09:50:49] [info]
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info]                      Performance Metrics
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info] | Stage              | Time Taken |
[2025-08-29 09:50:49] [info] |-----|-----|
[2025-08-29 09:50:49] [info] | GDS Parsing        | 1 minutes 0 seconds |
[2025-08-29 09:50:49] [info] | Layer Comparison    | 0 minutes 3 seconds |
[2025-08-29 09:50:49] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info]                      Type of Errors | Count
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info] DB_ERR010 -> 4
[2025-08-29 09:50:49] [info] DB_WARN -> 1
[2025-08-29 09:50:49] [info] LRF_ERR001 -> 14
[2025-08-29 09:50:49] [info] DB_WARN002 -> 304
[2025-08-29 09:50:49] [info] DB_WARN003 -> 310
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info]                      Summary
[2025-08-29 09:50:49] [info] -----
[2025-08-29 09:50:49] [info] Total XOR Mismatches:    18
[2025-08-29 09:50:49] [info] Total Warnings:         615
[2025-08-29 09:50:49] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:30:19] [info] =====
[2025-08-29 09:30:19] [info]                      XOR Verification Report
[2025-08-29 09:30:19] [info] =====

[2025-08-29 09:30:19] [info] Report Generated:    2025-08-29
[2025-08-29 09:30:19] [info] Run Start Time:      09:30:15 AM
[2025-08-29 09:30:19] [info] Run End Time:        09:30:19 AM
[2025-08-29 09:30:19] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 09:30:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:30:19] [info] Host Name:           kuro-Workstation
[2025-08-29 09:30:19] [info] User Name:           kuro
[2025-08-29 09:30:19] [info] Cores Used:          1
[2025-08-29 09:30:19] [info] Memory Utilized:     3386.38 MB / 62.569698333740234 GB

[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info]                      Top Cell Information
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-08-29 09:30:19] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:30:19] [info] Database Format:       GDSII
[2025-08-29 09:30:19] [info] Verification Mode:    XOR Check

[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info]                      XOR Mismatch Summary
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info] | Layer Name | XOR Errors |
[2025-08-29 09:30:19] [info] |-----|-----|
[2025-08-29 09:30:19] [info]
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info]                      Performance Metrics
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info] | Stage | Time Taken |
[2025-08-29 09:30:19] [info] |-----|-----|
[2025-08-29 09:30:19] [info] | GDS Parsing | 0 minutes 13 seconds |
[2025-08-29 09:30:19] [info] | Layer Comparison | 0 minutes 3 seconds |
[2025-08-29 09:30:19] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info]                      Type of Errors | Count
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info] DB_ERR010 -> 4
[2025-08-29 09:30:19] [info] DB_WARN -> 1
[2025-08-29 09:30:19] [info] LRF_ERR001 -> 14
[2025-08-29 09:30:19] [info] DB_WARN002 -> 288
[2025-08-29 09:30:19] [info] DB_WARN003 -> 274
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info]                      Summary
[2025-08-29 09:30:19] [info] -----
[2025-08-29 09:30:19] [info] Total XOR Mismatches:    18
[2025-08-29 09:30:19] [info] Total Warnings:         563
[2025-08-29 09:30:19] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 09:30:42] [info] =====
[2025-08-29 09:30:42] [info]                      XOR Verification Report
[2025-08-29 09:30:42] [info] =====

[2025-08-29 09:30:42] [info] Report Generated:    2025-08-29
[2025-08-29 09:30:42] [info] Run Start Time:      09:30:37 AM
[2025-08-29 09:30:42] [info] Run End Time:        09:30:42 AM
[2025-08-29 09:30:42] [info] Time Taken:          0 minutes 20 seconds

[2025-08-29 09:30:42] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:30:42] [info] Host Name:           kuro-Workstation
[2025-08-29 09:30:42] [info] User Name:           kuro
[2025-08-29 09:30:42] [info] Cores Used:          1
[2025-08-29 09:30:42] [info] Memory Utilized:     3980.60 MB / 62.569698333740234 GB

[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info]                      Top Cell Information
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-08-29 09:30:42] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:30:42] [info] Database Format:       GDSII
[2025-08-29 09:30:42] [info] Verification Mode:    XOR Check

[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info]                      XOR Mismatch Summary
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:30:42] [info] |-----|-----|
[2025-08-29 09:30:42] [info]
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info]                      Performance Metrics
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info] | Stage              | Time Taken |
[2025-08-29 09:30:42] [info] |-----|-----|
[2025-08-29 09:30:42] [info] | GDS Parsing        | 0 minutes 15 seconds |
[2025-08-29 09:30:42] [info] | Layer Comparison    | 0 minutes 4 seconds  |
[2025-08-29 09:30:42] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info]                      Type of Errors | Count
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info] DB_ERR010 -> 4
[2025-08-29 09:30:42] [info] DB_WARN -> 1
[2025-08-29 09:30:42] [info] LRF_ERR001 -> 14
[2025-08-29 09:30:42] [info] DB_WARN002 -> 282
[2025-08-29 09:30:42] [info] DB_WARN003 -> 270
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info]                      Summary
[2025-08-29 09:30:42] [info] -----
[2025-08-29 09:30:42] [info] Total XOR Mismatches:    18
[2025-08-29 09:30:42] [info] Total Warnings:          553
[2025-08-29 09:30:42] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:31:00] [info] =====
[2025-08-29 09:31:00] [info]                      XOR Verification Report
[2025-08-29 09:31:00] [info] =====

[2025-08-29 09:31:00] [info] Report Generated:    2025-08-29
[2025-08-29 09:31:00] [info] Run Start Time:      09:30:56 AM
[2025-08-29 09:31:00] [info] Run End Time:        09:31:00 AM
[2025-08-29 09:31:00] [info] Time Taken:          0 minutes 15 seconds

[2025-08-29 09:31:00] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:31:00] [info] Host Name:           kuro-Workstation
[2025-08-29 09:31:00] [info] User Name:           kuro
[2025-08-29 09:31:00] [info] Cores Used:          1
[2025-08-29 09:31:00] [info] Memory Utilized:     2774.09 MB / 62.569698333740234 GB

[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info]                      Top Cell Information
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-08-29 09:31:00] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:31:00] [info] Database Format:       GDSII
[2025-08-29 09:31:00] [info] Verification Mode:    XOR Check

[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info]                      XOR Mismatch Summary
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:31:00] [info] |-----|-----|
[2025-08-29 09:31:00] [info]
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info]                      Performance Metrics
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info] | Stage           | Time Taken |
[2025-08-29 09:31:00] [info] |-----|-----|
[2025-08-29 09:31:00] [info] | GDS Parsing     | 0 minutes 11 seconds |
[2025-08-29 09:31:00] [info] | Layer Comparison | 0 minutes 3 seconds  |
[2025-08-29 09:31:00] [info] | Report Generation | 0 minutes 0 seconds  |

[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info]                      Type of Errors | Count
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info] DB_ERR010 -> 4
[2025-08-29 09:31:00] [info] DB_WARN -> 1
[2025-08-29 09:31:00] [info] LRF_ERR001 -> 14
[2025-08-29 09:31:00] [info] DB_WARN002 -> 276
[2025-08-29 09:31:00] [info] DB_WARN003 -> 264
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info]                      Summary
[2025-08-29 09:31:00] [info] -----
[2025-08-29 09:31:00] [info] Total XOR Mismatches:    18
[2025-08-29 09:31:00] [info] Total Warnings:          541
[2025-08-29 09:31:00] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:30:01] [info] =====
[2025-08-29 09:30:01] [info]                      XOR Verification Report
[2025-08-29 09:30:01] [info] =====

[2025-08-29 09:30:01] [info] Report Generated:    2025-08-29
[2025-08-29 09:30:01] [info] Run Start Time:      09:30:00 AM
[2025-08-29 09:30:01] [info] Run End Time:        09:30:01 AM
[2025-08-29 09:30:01] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:30:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:30:01] [info] Host Name:           kuro-Workstation
[2025-08-29 09:30:01] [info] User Name:           kuro
[2025-08-29 09:30:01] [info] Cores Used:          1
[2025-08-29 09:30:01] [info] Memory Utilized:     47.54 MB / 62.569698333740234 GB

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Top Cell Information
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Layout Top Cell:     gcd1_sky130hd
[2025-08-29 09:30:01] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:30:01] [info] Database Format:       GDSII
[2025-08-29 09:30:01] [info] Verification Mode:    XOR Check

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      XOR Mismatch Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info]
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Performance Metrics
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Stage              | Time Taken |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Type of Errors | Count
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] DB_ERR010 -> 4
[2025-08-29 09:30:01] [info] DB_WARN -> 1
[2025-08-29 09:30:01] [info] LRF_ERR001 -> 14
[2025-08-29 09:30:01] [info] DB_WARN002 -> 116
[2025-08-29 09:30:01] [info] DB_WARN003 -> 110
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Total XOR Mismatches:    18
[2025-08-29 09:30:01] [info] Total Warnings:          227
[2025-08-29 09:30:01] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:30:01] [info] =====
[2025-08-29 09:30:01] [info]                      XOR Verification Report
[2025-08-29 09:30:01] [info] =====

[2025-08-29 09:30:01] [info] Report Generated:    2025-08-29
[2025-08-29 09:30:01] [info] Run Start Time:      09:30:01 AM
[2025-08-29 09:30:01] [info] Run End Time:        09:30:01 AM
[2025-08-29 09:30:01] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:30:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:30:01] [info] Host Name:           kuro-Workstation
[2025-08-29 09:30:01] [info] User Name:           kuro
[2025-08-29 09:30:01] [info] Cores Used:          1
[2025-08-29 09:30:01] [info] Memory Utilized:     51.71 MB / 62.569698333740234 GB

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Top Cell Information
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Layout Top Cell:     gcd2_sky130hd
[2025-08-29 09:30:01] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:30:01] [info] Database Format:       GDSII
[2025-08-29 09:30:01] [info] Verification Mode:    XOR Check

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      XOR Mismatch Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info]
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Performance Metrics
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Stage              | Time Taken |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Type of Errors | Count
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] DB_ERR010 -> 4
[2025-08-29 09:30:01] [info] DB_WARN -> 1
[2025-08-29 09:30:01] [info] LRF_ERR001 -> 14
[2025-08-29 09:30:01] [info] DB_WARN002 -> 118
[2025-08-29 09:30:01] [info] DB_WARN003 -> 112
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Total XOR Mismatches:    18
[2025-08-29 09:30:01] [info] Total Warnings:          231
[2025-08-29 09:30:01] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:30:01] [info] =====
[2025-08-29 09:30:01] [info]                      XOR Verification Report
[2025-08-29 09:30:01] [info] =====

[2025-08-29 09:30:01] [info] Report Generated:    2025-08-29
[2025-08-29 09:30:01] [info] Run Start Time:      09:30:01 AM
[2025-08-29 09:30:01] [info] Run End Time:        09:30:01 AM
[2025-08-29 09:30:01] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:30:01] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:30:01] [info] Host Name:           kuro-Workstation
[2025-08-29 09:30:01] [info] User Name:           kuro
[2025-08-29 09:30:01] [info] Cores Used:          1
[2025-08-29 09:30:01] [info] Memory Utilized:     41.18 MB / 62.569698333740234 GB

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Top Cell Information
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Layout Top Cell:     gcd3_sky130hd
[2025-08-29 09:30:01] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:30:01] [info] Database Format:       GDSII
[2025-08-29 09:30:01] [info] Verification Mode:    XOR Check

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      XOR Mismatch Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info]
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Performance Metrics
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] | Stage              | Time Taken |
[2025-08-29 09:30:01] [info] |-----|-----|
[2025-08-29 09:30:01] [info] | GDS Parsing        | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Layer Comparison    | 0 minutes 0 seconds |
[2025-08-29 09:30:01] [info] | Report Generation   | 0 minutes 0 seconds |

[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Type of Errors | Count
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] DB_ERR010 -> 4
[2025-08-29 09:30:01] [info] DB_WARN -> 1
[2025-08-29 09:30:01] [info] LRF_ERR001 -> 14
[2025-08-29 09:30:01] [info] DB_WARN002 -> 118
[2025-08-29 09:30:01] [info] DB_WARN003 -> 112
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info]                      Summary
[2025-08-29 09:30:01] [info] -----
[2025-08-29 09:30:01] [info] Total XOR Mismatches:    18
[2025-08-29 09:30:01] [info] Total Warnings:          231
[2025-08-29 09:30:01] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:31:19] [info] =====
[2025-08-29 09:31:19] [info]                      XOR Verification Report
[2025-08-29 09:31:19] [info] =====

[2025-08-29 09:31:19] [info] Report Generated:    2025-08-29
[2025-08-29 09:31:19] [info] Run Start Time:      09:31:16 AM
[2025-08-29 09:31:19] [info] Run End Time:        09:31:19 AM
[2025-08-29 09:31:19] [info] Time Taken:          0 minutes 18 seconds

[2025-08-29 09:31:19] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:31:19] [info] Host Name:           kuro-Workstation
[2025-08-29 09:31:19] [info] User Name:           kuro
[2025-08-29 09:31:19] [info] Cores Used:          1
[2025-08-29 09:31:19] [info] Memory Utilized:     3200.73 MB / 62.569698333740234 GB

[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info]                      Top Cell Information
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-08-29 09:31:19] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:31:19] [info] Database Format:       GDSII
[2025-08-29 09:31:19] [info] Verification Mode:    XOR Check

[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info]                      XOR Mismatch Summary
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:31:19] [info] |-----|-----|
[2025-08-29 09:31:19] [info]
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info]                      Performance Metrics
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info] | Stage              | Time Taken |
[2025-08-29 09:31:19] [info] |-----|-----|
[2025-08-29 09:31:19] [info] | GDS Parsing        | 0 minutes 14 seconds |
[2025-08-29 09:31:19] [info] | Layer Comparison    | 0 minutes 3 seconds  |
[2025-08-29 09:31:19] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info]                      Type of Errors | Count
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info] DB_ERR010 -> 4
[2025-08-29 09:31:19] [info] DB_WARN -> 1
[2025-08-29 09:31:19] [info] LRF_ERR001 -> 14
[2025-08-29 09:31:19] [info] DB_WARN002 -> 502
[2025-08-29 09:31:19] [info] DB_WARN003 -> 502
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info]                      Summary
[2025-08-29 09:31:19] [info] -----
[2025-08-29 09:31:19] [info] Total XOR Mismatches:    18
[2025-08-29 09:31:19] [info] Total Warnings:          1005
[2025-08-29 09:31:19] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:31:40] [info] =====
[2025-08-29 09:31:40] [info]                      XOR Verification Report
[2025-08-29 09:31:40] [info] =====

[2025-08-29 09:31:40] [info] Report Generated:    2025-08-29
[2025-08-29 09:31:40] [info] Run Start Time:      09:31:36 AM
[2025-08-29 09:31:40] [info] Run End Time:        09:31:40 AM
[2025-08-29 09:31:40] [info] Time Taken:          0 minutes 18 seconds

[2025-08-29 09:31:40] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:31:40] [info] Host Name:           kuro-Workstation
[2025-08-29 09:31:40] [info] User Name:           kuro
[2025-08-29 09:31:40] [info] Cores Used:          1
[2025-08-29 09:31:40] [info] Memory Utilized:     3244.11 MB / 62.569698333740234 GB

[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info]                      Top Cell Information
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-08-29 09:31:40] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:31:40] [info] Database Format:       GDSII
[2025-08-29 09:31:40] [info] Verification Mode:    XOR Check

[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info]                      XOR Mismatch Summary
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:31:40] [info] |-----|-----|
[2025-08-29 09:31:40] [info]
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info]                      Performance Metrics
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info] | Stage              | Time Taken |
[2025-08-29 09:31:40] [info] |-----|-----|
[2025-08-29 09:31:40] [info] | GDS Parsing        | 0 minutes 14 seconds |
[2025-08-29 09:31:40] [info] | Layer Comparison    | 0 minutes 3 seconds  |
[2025-08-29 09:31:40] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info]                      Type of Errors | Count
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info] DB_ERR010 -> 4
[2025-08-29 09:31:40] [info] DB_WARN -> 1
[2025-08-29 09:31:40] [info] LRF_ERR001 -> 14
[2025-08-29 09:31:40] [info] DB_WARN002 -> 498
[2025-08-29 09:31:40] [info] DB_WARN003 -> 498
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info]                      Summary
[2025-08-29 09:31:40] [info] -----
[2025-08-29 09:31:40] [info] Total XOR Mismatches:    18
[2025-08-29 09:31:40] [info] Total Warnings:          997
[2025-08-29 09:31:40] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:31:59] [info] =====
[2025-08-29 09:31:59] [info]                      XOR Verification Report
[2025-08-29 09:31:59] [info] =====

[2025-08-29 09:31:59] [info] Report Generated:    2025-08-29
[2025-08-29 09:31:59] [info] Run Start Time:      09:31:55 AM
[2025-08-29 09:31:59] [info] Run End Time:        09:31:59 AM
[2025-08-29 09:31:59] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 09:31:59] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:31:59] [info] Host Name:           kuro-Workstation
[2025-08-29 09:31:59] [info] User Name:           kuro
[2025-08-29 09:31:59] [info] Cores Used:           1
[2025-08-29 09:31:59] [info] Memory Utilized:      3152.42 MB / 62.569698333740234 GB

[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info]                      Top Cell Information
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info] Layout Top Cell:      ibex_core3_sky130hd
[2025-08-29 09:31:59] [info] Technology Node:       SKY130HD (130nm)
[2025-08-29 09:31:59] [info] Database Format:        GDSII
[2025-08-29 09:31:59] [info] Verification Mode:     XOR Check

[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info]                      XOR Mismatch Summary
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:31:59] [info] |-----|-----|
[2025-08-29 09:31:59] [info]
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info]                      Performance Metrics
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info] | Stage              | Time Taken |
[2025-08-29 09:31:59] [info] |-----|-----|
[2025-08-29 09:31:59] [info] | GDS Parsing         | 0 minutes 13 seconds |
[2025-08-29 09:31:59] [info] | Layer Comparison     | 0 minutes 3 seconds  |
[2025-08-29 09:31:59] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info]                      Type of Errors | Count
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info] DB_ERR010 -> 4
[2025-08-29 09:31:59] [info] DB_WARN -> 1
[2025-08-29 09:31:59] [info] LRF_ERR001 -> 14
[2025-08-29 09:31:59] [info] DB_WARN002 -> 506
[2025-08-29 09:31:59] [info] DB_WARN003 -> 502
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info]                      Summary
[2025-08-29 09:31:59] [info] -----
[2025-08-29 09:31:59] [info] Total XOR Mismatches:    18
[2025-08-29 09:31:59] [info] Total Warnings:          1009
[2025-08-29 09:31:59] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:32:50] [info] =====
[2025-08-29 09:32:50] [info]                      XOR Verification Report
[2025-08-29 09:32:50] [info] =====

[2025-08-29 09:32:50] [info] Report Generated:    2025-08-29
[2025-08-29 09:32:50] [info] Run Start Time:      09:32:39 AM
[2025-08-29 09:32:50] [info] Run End Time:        09:32:50 AM
[2025-08-29 09:32:50] [info] Time Taken:          0 minutes 49 seconds

[2025-08-29 09:32:50] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:32:50] [info] Host Name:           kuro-Workstation
[2025-08-29 09:32:50] [info] User Name:           kuro
[2025-08-29 09:32:50] [info] Cores Used:           1
[2025-08-29 09:32:50] [info] Memory Utilized:      8300.30 MB / 62.569698333740234 GB

[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info]                      Top Cell Information
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info] Layout Top Cell:      jpeg_encoder1_sky130hd
[2025-08-29 09:32:50] [info] Technology Node:       SKY130HD (130nm)
[2025-08-29 09:32:50] [info] Database Format:        GDSII
[2025-08-29 09:32:50] [info] Verification Mode:     XOR Check

[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info]                      XOR Mismatch Summary
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info] | Layer Name          | XOR Errors |
[2025-08-29 09:32:50] [info] |-----|-----|
[2025-08-29 09:32:50] [info]
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info]                      Performance Metrics
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info] | Stage                | Time Taken |
[2025-08-29 09:32:50] [info] |-----|-----|
[2025-08-29 09:32:50] [info] | GDS Parsing           | 0 minutes 38 seconds |
[2025-08-29 09:32:50] [info] | Layer Comparison      | 0 minutes 10 seconds |
[2025-08-29 09:32:50] [info] | Report Generation     | 0 minutes 0 seconds  |

[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info]                      Type of Errors | Count
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info] DB_ERR010 -> 4
[2025-08-29 09:32:50] [info] DB_WARN -> 1
[2025-08-29 09:32:50] [info] LRF_ERR001 -> 14
[2025-08-29 09:32:50] [info] DB_WARN002 -> 318
[2025-08-29 09:32:50] [info] DB_WARN003 -> 322
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info]                      Summary
[2025-08-29 09:32:50] [info] -----
[2025-08-29 09:32:50] [info] Total XOR Mismatches:    18
[2025-08-29 09:32:50] [info] Total Warnings:          641
[2025-08-29 09:32:50] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:33:50] [info] =====
[2025-08-29 09:33:50] [info]                      XOR Verification Report
[2025-08-29 09:33:50] [info] =====

[2025-08-29 09:33:50] [info] Report Generated:    2025-08-29
[2025-08-29 09:33:50] [info] Run Start Time:      09:33:37 AM
[2025-08-29 09:33:50] [info] Run End Time:        09:33:49 AM
[2025-08-29 09:33:50] [info] Time Taken:          0 minutes 55 seconds

[2025-08-29 09:33:50] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:33:50] [info] Host Name:           kuro-Workstation
[2025-08-29 09:33:50] [info] User Name:           kuro
[2025-08-29 09:33:50] [info] Cores Used:          1
[2025-08-29 09:33:50] [info] Memory Utilized:     9864.41 MB / 62.569698333740234 GB

[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info]                      Top Cell Information
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-08-29 09:33:50] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:33:50] [info] Database Format:       GDSII
[2025-08-29 09:33:50] [info] Verification Mode:    XOR Check

[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info]                      XOR Mismatch Summary
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info] | Layer Name | XOR Errors |
[2025-08-29 09:33:50] [info] |-----|-----|
[2025-08-29 09:33:50] [info]
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info]                      Performance Metrics
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info] | Stage | Time Taken |
[2025-08-29 09:33:50] [info] |-----|-----|
[2025-08-29 09:33:50] [info] | GDS Parsing | 0 minutes 42 seconds |
[2025-08-29 09:33:50] [info] | Layer Comparison | 0 minutes 12 seconds |
[2025-08-29 09:33:50] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info]                      Type of Errors | Count
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info] DB_ERR010 -> 4
[2025-08-29 09:33:50] [info] DB_WARN -> 1
[2025-08-29 09:33:50] [info] LRF_ERR001 -> 14
[2025-08-29 09:33:50] [info] DB_WARN002 -> 314
[2025-08-29 09:33:50] [info] DB_WARN003 -> 318
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info]                      Summary
[2025-08-29 09:33:50] [info] -----
[2025-08-29 09:33:50] [info] Total XOR Mismatches:    18
[2025-08-29 09:33:50] [info] Total Warnings:         633
[2025-08-29 09:33:50] [info] XOR Status:             MISMATCH

```

```

[2025-08-29 09:34:38] [info] =====
[2025-08-29 09:34:38] [info]                      XOR Verification Report
[2025-08-29 09:34:38] [info] =====

[2025-08-29 09:34:38] [info] Report Generated:    2025-08-29
[2025-08-29 09:34:38] [info] Run Start Time:      09:34:28 AM
[2025-08-29 09:34:38] [info] Run End Time:        09:34:38 AM
[2025-08-29 09:34:38] [info] Time Taken:          0 minutes 43 seconds

[2025-08-29 09:34:38] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:34:38] [info] Host Name:           kuro-Workstation
[2025-08-29 09:34:38] [info] User Name:           kuro
[2025-08-29 09:34:38] [info] Cores Used:          1
[2025-08-29 09:34:38] [info] Memory Utilized:     7236.33 MB / 62.569698333740234 GB

[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info]                      Top Cell Information
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-08-29 09:34:38] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:34:38] [info] Database Format:       GDSII
[2025-08-29 09:34:38] [info] Verification Mode:    XOR Check

[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info]                      XOR Mismatch Summary
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:34:38] [info] |-----|-----|
[2025-08-29 09:34:38] [info]
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info]                      Performance Metrics
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info] | Stage              | Time Taken |
[2025-08-29 09:34:38] [info] |-----|-----|
[2025-08-29 09:34:38] [info] | GDS Parsing         | 0 minutes 33 seconds |
[2025-08-29 09:34:38] [info] | Layer Comparison    | 0 minutes 9 seconds  |
[2025-08-29 09:34:38] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info]                      Type of Errors | Count
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info] DB_ERR010 -> 4
[2025-08-29 09:34:38] [info] DB_WARN -> 1
[2025-08-29 09:34:38] [info] LRF_ERR001 -> 14
[2025-08-29 09:34:38] [info] DB_WARN002 -> 304
[2025-08-29 09:34:38] [info] DB_WARN003 -> 310
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info]                      Summary
[2025-08-29 09:34:38] [info] -----
[2025-08-29 09:34:38] [info] Total XOR Mismatches:    18
[2025-08-29 09:34:38] [info] Total Warnings:         615
[2025-08-29 09:34:38] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:34:59] [info] =====
[2025-08-29 09:34:59] [info]                      XOR Verification Report
[2025-08-29 09:34:59] [info] =====

[2025-08-29 09:34:59] [info] Report Generated:    2025-08-29
[2025-08-29 09:34:59] [info] Run Start Time:      09:34:58 AM
[2025-08-29 09:34:59] [info] Run End Time:        09:34:59 AM
[2025-08-29 09:34:59] [info] Time Taken:          0 minutes 16 seconds

[2025-08-29 09:34:59] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:34:59] [info] Host Name:           kuro-Workstation
[2025-08-29 09:34:59] [info] User Name:           kuro
[2025-08-29 09:34:59] [info] Cores Used:          4
[2025-08-29 09:34:59] [info] Memory Utilized:     5025.91 MB / 62.569698333740234 GB

[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info]                      Top Cell Information
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-08-29 09:34:59] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:34:59] [info] Database Format:       GDSII
[2025-08-29 09:34:59] [info] Verification Mode:    XOR Check

[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info]                      XOR Mismatch Summary
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:34:59] [info] |-----|-----|
[2025-08-29 09:34:59] [info]
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info]                      Performance Metrics
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info] | Stage           | Time Taken |
[2025-08-29 09:34:59] [info] |-----|-----|
[2025-08-29 09:34:59] [info] | GDS Parsing      | 0 minutes 15 seconds |
[2025-08-29 09:34:59] [info] | Layer Comparison  | 0 minutes 1 seconds  |
[2025-08-29 09:34:59] [info] | Report Generation | 0 minutes 0 seconds  |

[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info]                      Type of Errors | Count
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info] DB_ERR010 -> 4
[2025-08-29 09:34:59] [info] DB_WARN -> 1
[2025-08-29 09:34:59] [info] LRF_ERR001 -> 14
[2025-08-29 09:34:59] [info] DB_WARN002 -> 288
[2025-08-29 09:34:59] [info] DB_WARN003 -> 274
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info]                      Summary
[2025-08-29 09:34:59] [info] -----
[2025-08-29 09:34:59] [info] Total XOR Mismatches:    18
[2025-08-29 09:34:59] [info] Total Warnings:          563
[2025-08-29 09:34:59] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:35:20] [info] =====
[2025-08-29 09:35:20] [info]                      XOR Verification Report
[2025-08-29 09:35:20] [info] =====

[2025-08-29 09:35:20] [info] Report Generated:    2025-08-29
[2025-08-29 09:35:20] [info] Run Start Time:      09:35:18 AM
[2025-08-29 09:35:20] [info] Run End Time:        09:35:20 AM
[2025-08-29 09:35:20] [info] Time Taken:          0 minutes 18 seconds

[2025-08-29 09:35:20] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:35:20] [info] Host Name:           kuro-Workstation
[2025-08-29 09:35:20] [info] User Name:           kuro
[2025-08-29 09:35:20] [info] Cores Used:          4
[2025-08-29 09:35:20] [info] Memory Utilized:     5534.16 MB / 62.569698333740234 GB

[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info]                      Top Cell Information
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-08-29 09:35:20] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:35:20] [info] Database Format:       GDSII
[2025-08-29 09:35:20] [info] Verification Mode:    XOR Check

[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info]                      XOR Mismatch Summary
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:35:20] [info] |-----|-----|
[2025-08-29 09:35:20] [info]
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info]                      Performance Metrics
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info] | Stage              | Time Taken |
[2025-08-29 09:35:20] [info] |-----|-----|
[2025-08-29 09:35:20] [info] | GDS Parsing         | 0 minutes 16 seconds |
[2025-08-29 09:35:20] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:35:20] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info]                      Type of Errors | Count
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info] DB_ERR010 -> 4
[2025-08-29 09:35:20] [info] DB_WARN -> 1
[2025-08-29 09:35:20] [info] LRF_ERR001 -> 14
[2025-08-29 09:35:20] [info] DB_WARN002 -> 282
[2025-08-29 09:35:20] [info] DB_WARN003 -> 270
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info]                      Summary
[2025-08-29 09:35:20] [info] -----
[2025-08-29 09:35:20] [info] Total XOR Mismatches:    18
[2025-08-29 09:35:20] [info] Total Warnings:          553
[2025-08-29 09:35:20] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:35:37] [info] =====
[2025-08-29 09:35:37] [info]                      XOR Verification Report
[2025-08-29 09:35:37] [info] =====

[2025-08-29 09:35:37] [info] Report Generated:    2025-08-29
[2025-08-29 09:35:37] [info] Run Start Time:      09:35:35 AM
[2025-08-29 09:35:37] [info] Run End Time:        09:35:36 AM
[2025-08-29 09:35:37] [info] Time Taken:          0 minutes 14 seconds

[2025-08-29 09:35:37] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:35:37] [info] Host Name:           kuro-Workstation
[2025-08-29 09:35:37] [info] User Name:           kuro
[2025-08-29 09:35:37] [info] Cores Used:          4
[2025-08-29 09:35:37] [info] Memory Utilized:     4131.70 MB / 62.569698333740234 GB

[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info]                      Top Cell Information
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-08-29 09:35:37] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:35:37] [info] Database Format:       GDSII
[2025-08-29 09:35:37] [info] Verification Mode:    XOR Check

[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info]                      XOR Mismatch Summary
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:35:37] [info] |-----|-----|
[2025-08-29 09:35:37] [info]
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info]                      Performance Metrics
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info] | Stage              | Time Taken |
[2025-08-29 09:35:37] [info] |-----|-----|
[2025-08-29 09:35:37] [info] | GDS Parsing        | 0 minutes 13 seconds |
[2025-08-29 09:35:37] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:35:37] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info]                      Type of Errors | Count
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info] DB_ERR010 -> 4
[2025-08-29 09:35:37] [info] DB_WARN -> 1
[2025-08-29 09:35:37] [info] LRF_ERR001 -> 14
[2025-08-29 09:35:37] [info] DB_WARN002 -> 276
[2025-08-29 09:35:37] [info] DB_WARN003 -> 264
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info]                      Summary
[2025-08-29 09:35:37] [info] -----
[2025-08-29 09:35:37] [info] Total XOR Mismatches:    18
[2025-08-29 09:35:37] [info] Total Warnings:         541
[2025-08-29 09:35:37] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:34:42] [info] =====
[2025-08-29 09:34:42] [info]                      XOR Verification Report
[2025-08-29 09:34:42] [info] =====

[2025-08-29 09:34:42] [info] Report Generated:    2025-08-29
[2025-08-29 09:34:42] [info] Run Start Time:      09:34:42 AM
[2025-08-29 09:34:42] [info] Run End Time:        09:34:42 AM
[2025-08-29 09:34:42] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:34:42] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:34:42] [info] Host Name:           kuro-Workstation
[2025-08-29 09:34:42] [info] User Name:           kuro
[2025-08-29 09:34:42] [info] Cores Used:          4
[2025-08-29 09:34:42] [info] Memory Utilized:     75.44 MB / 62.569698333740234 GB

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Top Cell Information
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] Layout Top Cell:     gcd1_sky130hd
[2025-08-29 09:34:42] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:34:42] [info] Database Format:       GDSII
[2025-08-29 09:34:42] [info] Verification Mode:    XOR Check

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      XOR Mismatch Summary
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:34:42] [info] |-----|-----|
[2025-08-29 09:34:42] [info]
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Performance Metrics
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] | Stage              | Time Taken |
[2025-08-29 09:34:42] [info] |-----|-----|
[2025-08-29 09:34:42] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 09:34:42] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 09:34:42] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Type of Errors | Count
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] DB_ERR010 -> 4
[2025-08-29 09:34:42] [info] DB_WARN -> 1
[2025-08-29 09:34:42] [info] LRF_ERR001 -> 14
[2025-08-29 09:34:42] [info] DB_WARN002 -> 116
[2025-08-29 09:34:42] [info] DB_WARN003 -> 110
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Summary
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] Total XOR Mismatches:    18
[2025-08-29 09:34:42] [info] Total Warnings:          227
[2025-08-29 09:34:42] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:34:42] [info] =====
[2025-08-29 09:34:42] [info]                      XOR Verification Report
[2025-08-29 09:34:42] [info] =====

[2025-08-29 09:34:42] [info] Report Generated:    2025-08-29
[2025-08-29 09:34:42] [info] Run Start Time:      09:34:42 AM
[2025-08-29 09:34:42] [info] Run End Time:        09:34:42 AM
[2025-08-29 09:34:42] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:34:42] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:34:42] [info] Host Name:           kuro-Workstation
[2025-08-29 09:34:42] [info] User Name:           kuro
[2025-08-29 09:34:42] [info] Cores Used:           4
[2025-08-29 09:34:42] [info] Memory Utilized:     78.13 MB / 62.569698333740234 GB

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Top Cell Information
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] Layout Top Cell:     gcd2_sky130hd
[2025-08-29 09:34:42] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:34:42] [info] Database Format:       GDSII
[2025-08-29 09:34:42] [info] Verification Mode:    XOR Check

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      XOR Mismatch Summary
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:34:42] [info] |-----|-----|
[2025-08-29 09:34:42] [info]
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Performance Metrics
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] | Stage              | Time Taken |
[2025-08-29 09:34:42] [info] |-----|-----|
[2025-08-29 09:34:42] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 09:34:42] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 09:34:42] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Type of Errors | Count
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] DB_ERR010 -> 4
[2025-08-29 09:34:42] [info] DB_WARN -> 1
[2025-08-29 09:34:42] [info] LRF_ERR001 -> 14
[2025-08-29 09:34:42] [info] DB_WARN002 -> 118
[2025-08-29 09:34:42] [info] DB_WARN003 -> 112
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info]                      Summary
[2025-08-29 09:34:42] [info] -----
[2025-08-29 09:34:42] [info] Total XOR Mismatches:    18
[2025-08-29 09:34:42] [info] Total Warnings:          231
[2025-08-29 09:34:42] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:34:43] [info] =====
[2025-08-29 09:34:43] [info]                      XOR Verification Report
[2025-08-29 09:34:43] [info] =====

[2025-08-29 09:34:43] [info] Report Generated:    2025-08-29
[2025-08-29 09:34:43] [info] Run Start Time:      09:34:43 AM
[2025-08-29 09:34:43] [info] Run End Time:        09:34:43 AM
[2025-08-29 09:34:43] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:34:43] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:34:43] [info] Host Name:           kuro-Workstation
[2025-08-29 09:34:43] [info] User Name:           kuro
[2025-08-29 09:34:43] [info] Cores Used:          4
[2025-08-29 09:34:43] [info] Memory Utilized:     67.86 MB / 62.569698333740234 GB

[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info]                      Top Cell Information
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info] Layout Top Cell:     gcd3_sky130hd
[2025-08-29 09:34:43] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:34:43] [info] Database Format:       GDSII
[2025-08-29 09:34:43] [info] Verification Mode:    XOR Check

[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info]                      XOR Mismatch Summary
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info] | Layer Name | XOR Errors |
[2025-08-29 09:34:43] [info] |-----|-----|
[2025-08-29 09:34:43] [info]
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info]                      Performance Metrics
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info] | Stage | Time Taken |
[2025-08-29 09:34:43] [info] |-----|-----|
[2025-08-29 09:34:43] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:34:43] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:34:43] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info]                      Type of Errors | Count
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info] DB_ERR010 -> 4
[2025-08-29 09:34:43] [info] DB_WARN -> 1
[2025-08-29 09:34:43] [info] LRF_ERR001 -> 14
[2025-08-29 09:34:43] [info] DB_WARN002 -> 118
[2025-08-29 09:34:43] [info] DB_WARN003 -> 112
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info]                      Summary
[2025-08-29 09:34:43] [info] -----
[2025-08-29 09:34:43] [info] Total XOR Mismatches:    18
[2025-08-29 09:34:43] [info] Total Warnings:          231
[2025-08-29 09:34:43] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:35:56] [info] =====
[2025-08-29 09:35:56] [info]                      XOR Verification Report
[2025-08-29 09:35:56] [info] =====

[2025-08-29 09:35:56] [info] Report Generated:    2025-08-29
[2025-08-29 09:35:56] [info] Run Start Time:      09:35:54 AM
[2025-08-29 09:35:56] [info] Run End Time:        09:35:56 AM
[2025-08-29 09:35:56] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 09:35:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:35:56] [info] Host Name:           kuro-Workstation
[2025-08-29 09:35:56] [info] User Name:           kuro
[2025-08-29 09:35:56] [info] Cores Used:          4
[2025-08-29 09:35:56] [info] Memory Utilized:     4966.75 MB / 62.569698333740234 GB

[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info]                      Top Cell Information
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-08-29 09:35:56] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:35:56] [info] Database Format:       GDSII
[2025-08-29 09:35:56] [info] Verification Mode:    XOR Check

[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info]                      XOR Mismatch Summary
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:35:56] [info] |-----|-----|
[2025-08-29 09:35:56] [info]
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info]                      Performance Metrics
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info] | Stage              | Time Taken |
[2025-08-29 09:35:56] [info] |-----|-----|
[2025-08-29 09:35:56] [info] | GDS Parsing        | 0 minutes 15 seconds |
[2025-08-29 09:35:56] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:35:56] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info]                      Type of Errors | Count
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info] DB_ERR010 -> 4
[2025-08-29 09:35:56] [info] DB_WARN -> 1
[2025-08-29 09:35:56] [info] LRF_ERR001 -> 14
[2025-08-29 09:35:56] [info] DB_WARN002 -> 502
[2025-08-29 09:35:56] [info] DB_WARN003 -> 502
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info]                      Summary
[2025-08-29 09:35:56] [info] -----
[2025-08-29 09:35:56] [info] Total XOR Mismatches:    18
[2025-08-29 09:35:56] [info] Total Warnings:          1005
[2025-08-29 09:35:56] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:36:15] [info] =====
[2025-08-29 09:36:15] [info]                      XOR Verification Report
[2025-08-29 09:36:15] [info] =====

[2025-08-29 09:36:15] [info] Report Generated:    2025-08-29
[2025-08-29 09:36:15] [info] Run Start Time:      09:36:13 AM
[2025-08-29 09:36:15] [info] Run End Time:        09:36:15 AM
[2025-08-29 09:36:15] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 09:36:15] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:36:15] [info] Host Name:           kuro-Workstation
[2025-08-29 09:36:15] [info] User Name:           kuro
[2025-08-29 09:36:15] [info] Cores Used:          4
[2025-08-29 09:36:15] [info] Memory Utilized:     5001.04 MB / 62.569698333740234 GB

[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info]                      Top Cell Information
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info] Layout Top Cell:     ibex_core2_sky130hd
[2025-08-29 09:36:15] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:36:15] [info] Database Format:       GDSII
[2025-08-29 09:36:15] [info] Verification Mode:    XOR Check

[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info]                      XOR Mismatch Summary
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:36:15] [info] |-----|-----|
[2025-08-29 09:36:15] [info]
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info]                      Performance Metrics
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info] | Stage              | Time Taken |
[2025-08-29 09:36:15] [info] |-----|-----|
[2025-08-29 09:36:15] [info] | GDS Parsing         | 0 minutes 16 seconds |
[2025-08-29 09:36:15] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:36:15] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info]                      Type of Errors | Count
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info] DB_ERR010 -> 4
[2025-08-29 09:36:15] [info] DB_WARN -> 1
[2025-08-29 09:36:15] [info] LRF_ERR001 -> 14
[2025-08-29 09:36:15] [info] DB_WARN002 -> 498
[2025-08-29 09:36:15] [info] DB_WARN003 -> 498
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info]                      Summary
[2025-08-29 09:36:15] [info] -----
[2025-08-29 09:36:15] [info] Total XOR Mismatches:    18
[2025-08-29 09:36:15] [info] Total Warnings:         997
[2025-08-29 09:36:15] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:36:34] [info] =====
[2025-08-29 09:36:34] [info]                      XOR Verification Report
[2025-08-29 09:36:34] [info] =====

[2025-08-29 09:36:34] [info] Report Generated:    2025-08-29
[2025-08-29 09:36:34] [info] Run Start Time:      09:36:33 AM
[2025-08-29 09:36:34] [info] Run End Time:        09:36:34 AM
[2025-08-29 09:36:34] [info] Time Taken:          0 minutes 17 seconds

[2025-08-29 09:36:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:36:34] [info] Host Name:           kuro-Workstation
[2025-08-29 09:36:34] [info] User Name:           kuro
[2025-08-29 09:36:34] [info] Cores Used:          4
[2025-08-29 09:36:34] [info] Memory Utilized:     4905.61 MB / 62.569698333740234 GB

[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info]                      Top Cell Information
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-08-29 09:36:34] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:36:34] [info] Database Format:       GDSII
[2025-08-29 09:36:34] [info] Verification Mode:    XOR Check

[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info]                      XOR Mismatch Summary
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:36:34] [info] |-----|-----|
[2025-08-29 09:36:34] [info]
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info]                      Performance Metrics
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info] | Stage              | Time Taken |
[2025-08-29 09:36:34] [info] |-----|-----|
[2025-08-29 09:36:34] [info] | GDS Parsing        | 0 minutes 15 seconds |
[2025-08-29 09:36:34] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:36:34] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info]                      Type of Errors | Count
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info] DB_ERR010 -> 4
[2025-08-29 09:36:34] [info] DB_WARN -> 1
[2025-08-29 09:36:34] [info] LRF_ERR001 -> 14
[2025-08-29 09:36:34] [info] DB_WARN002 -> 506
[2025-08-29 09:36:34] [info] DB_WARN003 -> 502
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info]                      Summary
[2025-08-29 09:36:34] [info] -----
[2025-08-29 09:36:34] [info] Total XOR Mismatches:    18
[2025-08-29 09:36:34] [info] Total Warnings:          1009
[2025-08-29 09:36:34] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:37:22] [info] =====
[2025-08-29 09:37:22] [info]                      XOR Verification Report
[2025-08-29 09:37:22] [info] =====

[2025-08-29 09:37:22] [info] Report Generated:    2025-08-29
[2025-08-29 09:37:22] [info] Run Start Time:      09:37:18 AM
[2025-08-29 09:37:22] [info] Run End Time:        09:37:22 AM
[2025-08-29 09:37:22] [info] Time Taken:          0 minutes 45 seconds

[2025-08-29 09:37:22] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:37:22] [info] Host Name:           kuro-Workstation
[2025-08-29 09:37:22] [info] User Name:           kuro
[2025-08-29 09:37:22] [info] Cores Used:          4
[2025-08-29 09:37:22] [info] Memory Utilized:     12351.66 MB / 62.569698333740234 GB

[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info]                      Top Cell Information
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-08-29 09:37:22] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:37:22] [info] Database Format:       GDSII
[2025-08-29 09:37:22] [info] Verification Mode:    XOR Check

[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info]                      XOR Mismatch Summary
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info] | Layer Name | XOR Errors |
[2025-08-29 09:37:22] [info] |-----|-----|
[2025-08-29 09:37:22] [info]
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info]                      Performance Metrics
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info] | Stage | Time Taken |
[2025-08-29 09:37:22] [info] |-----|-----|
[2025-08-29 09:37:22] [info] | GDS Parsing | 0 minutes 41 seconds |
[2025-08-29 09:37:22] [info] | Layer Comparison | 0 minutes 3 seconds |
[2025-08-29 09:37:22] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info]                      Type of Errors | Count
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info] DB_ERR010 -> 4
[2025-08-29 09:37:22] [info] DB_WARN -> 1
[2025-08-29 09:37:22] [info] LRF_ERR001 -> 14
[2025-08-29 09:37:22] [info] DB_WARN002 -> 318
[2025-08-29 09:37:22] [info] DB_WARN003 -> 322
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info]                      Summary
[2025-08-29 09:37:22] [info] -----
[2025-08-29 09:37:22] [info] Total XOR Mismatches:    18
[2025-08-29 09:37:22] [info] Total Warnings:         641
[2025-08-29 09:37:22] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:38:18] [info] =====
[2025-08-29 09:38:18] [info]                      XOR Verification Report
[2025-08-29 09:38:18] [info] =====

[2025-08-29 09:38:18] [info] Report Generated:    2025-08-29
[2025-08-29 09:38:18] [info] Run Start Time:      09:38:13 AM
[2025-08-29 09:38:18] [info] Run End Time:        09:38:18 AM
[2025-08-29 09:38:18] [info] Time Taken:          0 minutes 50 seconds

[2025-08-29 09:38:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:38:18] [info] Host Name:           kuro-Workstation
[2025-08-29 09:38:18] [info] User Name:           kuro
[2025-08-29 09:38:18] [info] Cores Used:          4
[2025-08-29 09:38:18] [info] Memory Utilized:     14054.19 MB / 62.569698333740234 GB

[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info]                      Top Cell Information
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-08-29 09:38:18] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:38:18] [info] Database Format:       GDSII
[2025-08-29 09:38:18] [info] Verification Mode:    XOR Check

[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info]                      XOR Mismatch Summary
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:38:18] [info] |-----|-----|
[2025-08-29 09:38:18] [info]
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info]                      Performance Metrics
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info] | Stage              | Time Taken |
[2025-08-29 09:38:18] [info] |-----|-----|
[2025-08-29 09:38:18] [info] | GDS Parsing         | 0 minutes 45 seconds |
[2025-08-29 09:38:18] [info] | Layer Comparison     | 0 minutes 4 seconds  |
[2025-08-29 09:38:18] [info] | Report Generation    | 0 minutes 0 seconds  |

[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info]                      Type of Errors | Count
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info] DB_ERR010 -> 4
[2025-08-29 09:38:18] [info] DB_WARN -> 1
[2025-08-29 09:38:18] [info] LRF_ERR001 -> 14
[2025-08-29 09:38:18] [info] DB_WARN002 -> 314
[2025-08-29 09:38:18] [info] DB_WARN003 -> 318
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info]                      Summary
[2025-08-29 09:38:18] [info] -----
[2025-08-29 09:38:18] [info] Total XOR Mismatches:    18
[2025-08-29 09:38:18] [info] Total Warnings:          633
[2025-08-29 09:38:18] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:39:06] [info] =====
[2025-08-29 09:39:06] [info]                      XOR Verification Report
[2025-08-29 09:39:06] [info] =====

[2025-08-29 09:39:06] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:06] [info] Run Start Time:      09:39:02 AM
[2025-08-29 09:39:06] [info] Run End Time:        09:39:06 AM
[2025-08-29 09:39:06] [info] Time Taken:          0 minutes 42 seconds

[2025-08-29 09:39:06] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:06] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:06] [info] User Name:           kuro
[2025-08-29 09:39:06] [info] Cores Used:          4
[2025-08-29 09:39:06] [info] Memory Utilized:     11539.39 MB / 62.569698333740234 GB

[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info]                      Top Cell Information
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-08-29 09:39:06] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:06] [info] Database Format:       GDSII
[2025-08-29 09:39:06] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:39:06] [info] |-----|-----|
[2025-08-29 09:39:06] [info]
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info]                      Performance Metrics
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info] | Stage              | Time Taken |
[2025-08-29 09:39:06] [info] |-----|-----|
[2025-08-29 09:39:06] [info] | GDS Parsing        | 0 minutes 38 seconds |
[2025-08-29 09:39:06] [info] | Layer Comparison    | 0 minutes 3 seconds  |
[2025-08-29 09:39:06] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info]                      Type of Errors | Count
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info] DB_ERR010 -> 4
[2025-08-29 09:39:06] [info] DB_WARN -> 1
[2025-08-29 09:39:06] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:06] [info] DB_WARN002 -> 304
[2025-08-29 09:39:06] [info] DB_WARN003 -> 310
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info]                      Summary
[2025-08-29 09:39:06] [info] -----
[2025-08-29 09:39:06] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:06] [info] Total Warnings:         615
[2025-08-29 09:39:06] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:39:30] [info] =====
[2025-08-29 09:39:30] [info]                      XOR Verification Report
[2025-08-29 09:39:30] [info] =====

[2025-08-29 09:39:30] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:30] [info] Run Start Time:      09:39:29 AM
[2025-08-29 09:39:30] [info] Run End Time:        09:39:30 AM
[2025-08-29 09:39:30] [info] Time Taken:          0 minutes 19 seconds

[2025-08-29 09:39:30] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:30] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:30] [info] User Name:           kuro
[2025-08-29 09:39:30] [info] Cores Used:           8
[2025-08-29 09:39:30] [info] Memory Utilized:     7070.83 MB / 62.569698333740234 GB

[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info]                      Top Cell Information
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info] Layout Top Cell:     aes_cipher_top1_sky130hd
[2025-08-29 09:39:30] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:30] [info] Database Format:       GDSII
[2025-08-29 09:39:30] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:39:30] [info] |-----|-----|
[2025-08-29 09:39:30] [info]
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info]                      Performance Metrics
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info] | Stage              | Time Taken |
[2025-08-29 09:39:30] [info] |-----|-----|
[2025-08-29 09:39:30] [info] | GDS Parsing        | 0 minutes 17 seconds |
[2025-08-29 09:39:30] [info] | Layer Comparison    | 0 minutes 0 seconds  |
[2025-08-29 09:39:30] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info]                      Type of Errors | Count
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info] DB_ERR010 -> 4
[2025-08-29 09:39:30] [info] DB_WARN -> 1
[2025-08-29 09:39:30] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:30] [info] DB_WARN002 -> 288
[2025-08-29 09:39:30] [info] DB_WARN003 -> 274
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info]                      Summary
[2025-08-29 09:39:30] [info] -----
[2025-08-29 09:39:30] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:30] [info] Total Warnings:          563
[2025-08-29 09:39:30] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:39:53] [info] =====
[2025-08-29 09:39:53] [info]                      XOR Verification Report
[2025-08-29 09:39:53] [info] =====

[2025-08-29 09:39:53] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:53] [info] Run Start Time:      09:39:52 AM
[2025-08-29 09:39:53] [info] Run End Time:        09:39:53 AM
[2025-08-29 09:39:53] [info] Time Taken:          0 minutes 20 seconds

[2025-08-29 09:39:53] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:53] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:53] [info] User Name:           kuro
[2025-08-29 09:39:53] [info] Cores Used:          8
[2025-08-29 09:39:53] [info] Memory Utilized:     7626.30 MB / 62.569698333740234 GB

[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info]                      Top Cell Information
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info] Layout Top Cell:     aes_cipher_top2_sky130hd
[2025-08-29 09:39:53] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:53] [info] Database Format:       GDSII
[2025-08-29 09:39:53] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:39:53] [info] |-----|-----|
[2025-08-29 09:39:53] [info]
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info]                      Performance Metrics
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info] | Stage              | Time Taken |
[2025-08-29 09:39:53] [info] |-----|-----|
[2025-08-29 09:39:53] [info] | GDS Parsing        | 0 minutes 19 seconds |
[2025-08-29 09:39:53] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:39:53] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info]                      Type of Errors | Count
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info] DB_ERR010 -> 4
[2025-08-29 09:39:53] [info] DB_WARN -> 1
[2025-08-29 09:39:53] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:53] [info] DB_WARN002 -> 282
[2025-08-29 09:39:53] [info] DB_WARN003 -> 270
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info]                      Summary
[2025-08-29 09:39:53] [info] -----
[2025-08-29 09:39:53] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:53] [info] Total Warnings:          553
[2025-08-29 09:39:53] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:40:13] [info] =====
[2025-08-29 09:40:13] [info]                      XOR Verification Report
[2025-08-29 09:40:13] [info] =====

[2025-08-29 09:40:13] [info] Report Generated:    2025-08-29
[2025-08-29 09:40:13] [info] Run Start Time:      09:40:12 AM
[2025-08-29 09:40:13] [info] Run End Time:        09:40:13 AM
[2025-08-29 09:40:13] [info] Time Taken:          0 minutes 16 seconds

[2025-08-29 09:40:13] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:40:13] [info] Host Name:           kuro-Workstation
[2025-08-29 09:40:13] [info] User Name:           kuro
[2025-08-29 09:40:13] [info] Cores Used:          8
[2025-08-29 09:40:13] [info] Memory Utilized:     5922.27 MB / 62.569698333740234 GB

[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info]                      Top Cell Information
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info] Layout Top Cell:     aes_cipher_top3_sky130hd
[2025-08-29 09:40:13] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:40:13] [info] Database Format:       GDSII
[2025-08-29 09:40:13] [info] Verification Mode:    XOR Check

[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info]                      XOR Mismatch Summary
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:40:13] [info] |-----|-----|
[2025-08-29 09:40:13] [info]
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info]                      Performance Metrics
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info] | Stage           | Time Taken |
[2025-08-29 09:40:13] [info] |-----|-----|
[2025-08-29 09:40:13] [info] | GDS Parsing      | 0 minutes 15 seconds |
[2025-08-29 09:40:13] [info] | Layer Comparison  | 0 minutes 0 seconds  |
[2025-08-29 09:40:13] [info] | Report Generation | 0 minutes 0 seconds  |

[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info]                      Type of Errors | Count
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info] DB_ERR010 -> 4
[2025-08-29 09:40:13] [info] DB_WARN -> 1
[2025-08-29 09:40:13] [info] LRF_ERR001 -> 14
[2025-08-29 09:40:13] [info] DB_WARN002 -> 276
[2025-08-29 09:40:13] [info] DB_WARN003 -> 264
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info]                      Summary
[2025-08-29 09:40:13] [info] -----
[2025-08-29 09:40:13] [info] Total XOR Mismatches:    18
[2025-08-29 09:40:13] [info] Total Warnings:          541
[2025-08-29 09:40:13] [info] XOR Status:              MISMATCH

```



```

[2025-08-29 09:39:10] [info] =====
[2025-08-29 09:39:10] [info]                      XOR Verification Report
[2025-08-29 09:39:10] [info] =====

[2025-08-29 09:39:10] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:10] [info] Run Start Time:      09:39:10 AM
[2025-08-29 09:39:10] [info] Run End Time:        09:39:10 AM
[2025-08-29 09:39:10] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:39:10] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:10] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:10] [info] User Name:           kuro
[2025-08-29 09:39:10] [info] Cores Used:          8
[2025-08-29 09:39:10] [info] Memory Utilized:     113.08 MB / 62.569698333740234 GB

[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info]                      Top Cell Information
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info] Layout Top Cell:     gcd1_sky130hd
[2025-08-29 09:39:10] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:10] [info] Database Format:       GDSII
[2025-08-29 09:39:10] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info] | Layer Name | XOR Errors |
[2025-08-29 09:39:10] [info] |-----|-----|
[2025-08-29 09:39:10] [info]
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info]                      Performance Metrics
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info] | Stage | Time Taken |
[2025-08-29 09:39:10] [info] |-----|-----|
[2025-08-29 09:39:10] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:39:10] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:39:10] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info]                      Type of Errors | Count
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info] DB_ERR010 -> 4
[2025-08-29 09:39:10] [info] DB_WARN -> 1
[2025-08-29 09:39:10] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:10] [info] DB_WARN002 -> 116
[2025-08-29 09:39:10] [info] DB_WARN003 -> 110
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info]                      Summary
[2025-08-29 09:39:10] [info] -----
[2025-08-29 09:39:10] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:10] [info] Total Warnings:          227
[2025-08-29 09:39:10] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:39:11] [info] =====
[2025-08-29 09:39:11] [info]                      XOR Verification Report
[2025-08-29 09:39:11] [info] =====

[2025-08-29 09:39:11] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:11] [info] Run Start Time:      09:39:11 AM
[2025-08-29 09:39:11] [info] Run End Time:        09:39:11 AM
[2025-08-29 09:39:11] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:39:11] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:11] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:11] [info] User Name:           kuro
[2025-08-29 09:39:11] [info] Cores Used:          8
[2025-08-29 09:39:11] [info] Memory Utilized:     114.35 MB / 62.569698333740234 GB

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Top Cell Information
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] Layout Top Cell:     gcd2_sky130hd
[2025-08-29 09:39:11] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:11] [info] Database Format:       GDSII
[2025-08-29 09:39:11] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:39:11] [info] |-----|-----|
[2025-08-29 09:39:11] [info]
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Performance Metrics
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] | Stage              | Time Taken |
[2025-08-29 09:39:11] [info] |-----|-----|
[2025-08-29 09:39:11] [info] | GDS Parsing         | 0 minutes 0 seconds |
[2025-08-29 09:39:11] [info] | Layer Comparison     | 0 minutes 0 seconds |
[2025-08-29 09:39:11] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Type of Errors | Count
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] DB_ERR010 -> 4
[2025-08-29 09:39:11] [info] DB_WARN -> 1
[2025-08-29 09:39:11] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:11] [info] DB_WARN002 -> 118
[2025-08-29 09:39:11] [info] DB_WARN003 -> 112
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Summary
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:11] [info] Total Warnings:          231
[2025-08-29 09:39:11] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:39:11] [info] =====
[2025-08-29 09:39:11] [info]                      XOR Verification Report
[2025-08-29 09:39:11] [info] =====

[2025-08-29 09:39:11] [info] Report Generated:    2025-08-29
[2025-08-29 09:39:11] [info] Run Start Time:      09:39:11 AM
[2025-08-29 09:39:11] [info] Run End Time:        09:39:11 AM
[2025-08-29 09:39:11] [info] Time Taken:          0 minutes 0 seconds

[2025-08-29 09:39:11] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:39:11] [info] Host Name:           kuro-Workstation
[2025-08-29 09:39:11] [info] User Name:           kuro
[2025-08-29 09:39:11] [info] Cores Used:          8
[2025-08-29 09:39:11] [info] Memory Utilized:     103.41 MB / 62.569698333740234 GB

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Top Cell Information
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] Layout Top Cell:     gcd3_sky130hd
[2025-08-29 09:39:11] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:39:11] [info] Database Format:       GDSII
[2025-08-29 09:39:11] [info] Verification Mode:    XOR Check

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      XOR Mismatch Summary
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] | Layer Name | XOR Errors |
[2025-08-29 09:39:11] [info] |-----|-----|
[2025-08-29 09:39:11] [info]
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Performance Metrics
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] | Stage | Time Taken |
[2025-08-29 09:39:11] [info] |-----|-----|
[2025-08-29 09:39:11] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:39:11] [info] | Layer Comparison | 0 minutes 0 seconds |
[2025-08-29 09:39:11] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Type of Errors | Count
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] DB_ERR010 -> 4
[2025-08-29 09:39:11] [info] DB_WARN -> 1
[2025-08-29 09:39:11] [info] LRF_ERR001 -> 14
[2025-08-29 09:39:11] [info] DB_WARN002 -> 118
[2025-08-29 09:39:11] [info] DB_WARN003 -> 112
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info]                      Summary
[2025-08-29 09:39:11] [info] -----
[2025-08-29 09:39:11] [info] Total XOR Mismatches:    18
[2025-08-29 09:39:11] [info] Total Warnings:          231
[2025-08-29 09:39:11] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:40:34] [info] =====
[2025-08-29 09:40:34] [info]                      XOR Verification Report
[2025-08-29 09:40:34] [info] =====

[2025-08-29 09:40:34] [info] Report Generated:    2025-08-29
[2025-08-29 09:40:34] [info] Run Start Time:      09:40:33 AM
[2025-08-29 09:40:34] [info] Run End Time:        09:40:34 AM
[2025-08-29 09:40:34] [info] Time Taken:          0 minutes 19 seconds

[2025-08-29 09:40:34] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:40:34] [info] Host Name:           kuro-Workstation
[2025-08-29 09:40:34] [info] User Name:           kuro
[2025-08-29 09:40:34] [info] Cores Used:           8
[2025-08-29 09:40:34] [info] Memory Utilized:     7307.12 MB / 62.569698333740234 GB

[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info]                      Top Cell Information
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info] Layout Top Cell:     ibex_core1_sky130hd
[2025-08-29 09:40:34] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:40:34] [info] Database Format:       GDSII
[2025-08-29 09:40:34] [info] Verification Mode:    XOR Check

[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info]                      XOR Mismatch Summary
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:40:34] [info] |-----|-----|
[2025-08-29 09:40:34] [info]
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info]                      Performance Metrics
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info] | Stage              | Time Taken |
[2025-08-29 09:40:34] [info] |-----|-----|
[2025-08-29 09:40:34] [info] | GDS Parsing         | 0 minutes 18 seconds |
[2025-08-29 09:40:34] [info] | Layer Comparison    | 0 minutes 0 seconds  |
[2025-08-29 09:40:34] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info]                      Type of Errors | Count
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info] DB_ERR010 -> 4
[2025-08-29 09:40:34] [info] DB_WARN -> 1
[2025-08-29 09:40:34] [info] LRF_ERR001 -> 14
[2025-08-29 09:40:34] [info] DB_WARN002 -> 502
[2025-08-29 09:40:34] [info] DB_WARN003 -> 502
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info]                      Summary
[2025-08-29 09:40:34] [info] -----
[2025-08-29 09:40:34] [info] Total XOR Mismatches:    18
[2025-08-29 09:40:34] [info] Total Warnings:          1005
[2025-08-29 09:40:34] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:40:56] [info] =====
[2025-08-29 09:40:56] [info]                      XOR Verification Report
[2025-08-29 09:40:56] [info] =====

[2025-08-29 09:40:56] [info] Report Generated:    2025-08-29
[2025-08-29 09:40:56] [info] Run Start Time:      09:40:55 AM
[2025-08-29 09:40:56] [info] Run End Time:        09:40:56 AM
[2025-08-29 09:40:56] [info] Time Taken:          0 minutes 20 seconds

[2025-08-29 09:40:56] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:40:56] [info] Host Name:            kuro-Workstation
[2025-08-29 09:40:56] [info] User Name:            kuro
[2025-08-29 09:40:56] [info] Cores Used:           8
[2025-08-29 09:40:56] [info] Memory Utilized:      7368.58 MB / 62.569698333740234 GB

[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info]                      Top Cell Information
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info] Layout Top Cell:      ibex_core2_sky130hd
[2025-08-29 09:40:56] [info] Technology Node:       SKY130HD (130nm)
[2025-08-29 09:40:56] [info] Database Format:        GDSII
[2025-08-29 09:40:56] [info] Verification Mode:     XOR Check

[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info]                      XOR Mismatch Summary
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info] | Layer Name          | XOR Errors |
[2025-08-29 09:40:56] [info] |-----|-----|
[2025-08-29 09:40:56] [info]
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info]                      Performance Metrics
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info] | Stage                | Time Taken |
[2025-08-29 09:40:56] [info] |-----|-----|
[2025-08-29 09:40:56] [info] | GDS Parsing           | 0 minutes 18 seconds |
[2025-08-29 09:40:56] [info] | Layer Comparison      | 0 minutes 1 seconds  |
[2025-08-29 09:40:56] [info] | Report Generation     | 0 minutes 0 seconds  |

[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info]                      Type of Errors | Count
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info] DB_ERR010 -> 4
[2025-08-29 09:40:56] [info] DB_WARN -> 1
[2025-08-29 09:40:56] [info] LRF_ERR001 -> 14
[2025-08-29 09:40:56] [info] DB_WARN002 -> 498
[2025-08-29 09:40:56] [info] DB_WARN003 -> 498
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info]                      Summary
[2025-08-29 09:40:56] [info] -----
[2025-08-29 09:40:56] [info] Total XOR Mismatches:    18
[2025-08-29 09:40:56] [info] Total Warnings:          997
[2025-08-29 09:40:56] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:41:18] [info] =====
[2025-08-29 09:41:18] [info]                      XOR Verification Report
[2025-08-29 09:41:18] [info] =====

[2025-08-29 09:41:18] [info] Report Generated:    2025-08-29
[2025-08-29 09:41:18] [info] Run Start Time:      09:41:17 AM
[2025-08-29 09:41:18] [info] Run End Time:        09:41:18 AM
[2025-08-29 09:41:18] [info] Time Taken:          0 minutes 19 seconds

[2025-08-29 09:41:18] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:41:18] [info] Host Name:           kuro-Workstation
[2025-08-29 09:41:18] [info] User Name:           kuro
[2025-08-29 09:41:18] [info] Cores Used:          8
[2025-08-29 09:41:18] [info] Memory Utilized:     7217.54 MB / 62.569698333740234 GB

[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info]                      Top Cell Information
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info] Layout Top Cell:     ibex_core3_sky130hd
[2025-08-29 09:41:18] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:41:18] [info] Database Format:       GDSII
[2025-08-29 09:41:18] [info] Verification Mode:    XOR Check

[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info]                      XOR Mismatch Summary
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:41:18] [info] |-----|-----|
[2025-08-29 09:41:18] [info]
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info]                      Performance Metrics
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info] | Stage              | Time Taken |
[2025-08-29 09:41:18] [info] |-----|-----|
[2025-08-29 09:41:18] [info] | GDS Parsing        | 0 minutes 18 seconds |
[2025-08-29 09:41:18] [info] | Layer Comparison    | 0 minutes 1 seconds  |
[2025-08-29 09:41:18] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info]                      Type of Errors | Count
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info] DB_ERR010 -> 4
[2025-08-29 09:41:18] [info] DB_WARN -> 1
[2025-08-29 09:41:18] [info] LRF_ERR001 -> 14
[2025-08-29 09:41:18] [info] DB_WARN002 -> 506
[2025-08-29 09:41:18] [info] DB_WARN003 -> 502
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info]                      Summary
[2025-08-29 09:41:18] [info] -----
[2025-08-29 09:41:18] [info] Total XOR Mismatches:    18
[2025-08-29 09:41:18] [info] Total Warnings:          1009
[2025-08-29 09:41:18] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:42:11] [info] =====
[2025-08-29 09:42:11] [info]                      XOR Verification Report
[2025-08-29 09:42:11] [info] =====

[2025-08-29 09:42:11] [info] Report Generated:    2025-08-29
[2025-08-29 09:42:11] [info] Run Start Time:      09:42:07 AM
[2025-08-29 09:42:11] [info] Run End Time:        09:42:10 AM
[2025-08-29 09:42:11] [info] Time Taken:          0 minutes 50 seconds

[2025-08-29 09:42:11] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:42:11] [info] Host Name:           kuro-Workstation
[2025-08-29 09:42:11] [info] User Name:           kuro
[2025-08-29 09:42:11] [info] Cores Used:          8
[2025-08-29 09:42:11] [info] Memory Utilized:     17668.92 MB / 62.569698333740234 GB

[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info]                      Top Cell Information
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info] Layout Top Cell:     jpeg_encoder1_sky130hd
[2025-08-29 09:42:11] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:42:11] [info] Database Format:       GDSII
[2025-08-29 09:42:11] [info] Verification Mode:    XOR Check

[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info]                      XOR Mismatch Summary
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info] | Layer Name          | XOR Errors |
[2025-08-29 09:42:11] [info] |-----|-----|
[2025-08-29 09:42:11] [info]
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info]                      Performance Metrics
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info] | Stage                | Time Taken |
[2025-08-29 09:42:11] [info] |-----|-----|
[2025-08-29 09:42:11] [info] | GDS Parsing           | 0 minutes 47 seconds |
[2025-08-29 09:42:11] [info] | Layer Comparison      | 0 minutes 2 seconds  |
[2025-08-29 09:42:11] [info] | Report Generation     | 0 minutes 0 seconds  |

[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info]                      Type of Errors | Count
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info] DB_ERR010 -> 4
[2025-08-29 09:42:11] [info] DB_WARN -> 1
[2025-08-29 09:42:11] [info] LRF_ERR001 -> 14
[2025-08-29 09:42:11] [info] DB_WARN002 -> 318
[2025-08-29 09:42:11] [info] DB_WARN003 -> 322
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info]                      Summary
[2025-08-29 09:42:11] [info] -----
[2025-08-29 09:42:11] [info] Total XOR Mismatches:    18
[2025-08-29 09:42:11] [info] Total Warnings:         641
[2025-08-29 09:42:11] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:43:12] [info] =====
[2025-08-29 09:43:12] [info]                      XOR Verification Report
[2025-08-29 09:43:12] [info] =====

[2025-08-29 09:43:12] [info] Report Generated:    2025-08-29
[2025-08-29 09:43:12] [info] Run Start Time:      09:43:08 AM
[2025-08-29 09:43:12] [info] Run End Time:        09:43:12 AM
[2025-08-29 09:43:12] [info] Time Taken:          0 minutes 55 seconds

[2025-08-29 09:43:12] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:43:12] [info] Host Name:           kuro-Workstation
[2025-08-29 09:43:12] [info] User Name:           kuro
[2025-08-29 09:43:12] [info] Cores Used:          8
[2025-08-29 09:43:12] [info] Memory Utilized:     19375.27 MB / 62.569698333740234 GB

[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info]                      Top Cell Information
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info] Layout Top Cell:     jpeg_encoder2_sky130hd
[2025-08-29 09:43:12] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:43:12] [info] Database Format:       GDSII
[2025-08-29 09:43:12] [info] Verification Mode:    XOR Check

[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info]                      XOR Mismatch Summary
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:43:12] [info] |-----|-----|
[2025-08-29 09:43:12] [info]
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info]                      Performance Metrics
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info] | Stage              | Time Taken |
[2025-08-29 09:43:12] [info] |-----|-----|
[2025-08-29 09:43:12] [info] | GDS Parsing        | 0 minutes 52 seconds |
[2025-08-29 09:43:12] [info] | Layer Comparison    | 0 minutes 2 seconds  |
[2025-08-29 09:43:12] [info] | Report Generation   | 0 minutes 0 seconds  |

[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info]                      Type of Errors | Count
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info] DB_ERR010 -> 4
[2025-08-29 09:43:12] [info] DB_WARN -> 1
[2025-08-29 09:43:12] [info] LRF_ERR001 -> 14
[2025-08-29 09:43:12] [info] DB_WARN002 -> 314
[2025-08-29 09:43:12] [info] DB_WARN003 -> 318
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info]                      Summary
[2025-08-29 09:43:12] [info] -----
[2025-08-29 09:43:12] [info] Total XOR Mismatches:    18
[2025-08-29 09:43:12] [info] Total Warnings:         633
[2025-08-29 09:43:12] [info] XOR Status:              MISMATCH

```

```

[2025-08-29 09:44:07] [info] =====
[2025-08-29 09:44:07] [info]                      XOR Verification Report
[2025-08-29 09:44:07] [info] =====

[2025-08-29 09:44:07] [info] Report Generated:    2025-08-29
[2025-08-29 09:44:07] [info] Run Start Time:      09:44:04 AM
[2025-08-29 09:44:07] [info] Run End Time:        09:44:06 AM
[2025-08-29 09:44:07] [info] Time Taken:          0 minutes 47 seconds

[2025-08-29 09:44:07] [info] Tool Version:        LVR_2025.1
[2025-08-29 09:44:07] [info] Host Name:           kuro-Workstation
[2025-08-29 09:44:07] [info] User Name:           kuro
[2025-08-29 09:44:07] [info] Cores Used:          8
[2025-08-29 09:44:07] [info] Memory Utilized:     17054.73 MB / 62.569698333740234 GB

[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info]                      Top Cell Information
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info] Layout Top Cell:     jpeg_encoder3_sky130hd
[2025-08-29 09:44:07] [info] Technology Node:      SKY130HD (130nm)
[2025-08-29 09:44:07] [info] Database Format:       GDSII
[2025-08-29 09:44:07] [info] Verification Mode:    XOR Check

[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info]                      XOR Mismatch Summary
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info] | Layer Name      | XOR Errors |
[2025-08-29 09:44:07] [info] |-----|-----|
[2025-08-29 09:44:07] [info]
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info]                      Performance Metrics
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info] | Stage           | Time Taken |
[2025-08-29 09:44:07] [info] |-----|-----|
[2025-08-29 09:44:07] [info] | GDS Parsing      | 0 minutes 44 seconds |
[2025-08-29 09:44:07] [info] | Layer Comparison  | 0 minutes 2 seconds  |
[2025-08-29 09:44:07] [info] | Report Generation | 0 minutes 0 seconds  |

[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info]                      Type of Errors | Count
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info] DB_ERR010 -> 4
[2025-08-29 09:44:07] [info] DB_WARN -> 1
[2025-08-29 09:44:07] [info] LRF_ERR001 -> 14
[2025-08-29 09:44:07] [info] DB_WARN002 -> 304
[2025-08-29 09:44:07] [info] DB_WARN003 -> 310
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info]                      Summary
[2025-08-29 09:44:07] [info] -----
[2025-08-29 09:44:07] [info] Total XOR Mismatches:    18
[2025-08-29 09:44:07] [info] Total Warnings:          615
[2025-08-29 09:44:07] [info] XOR Status:              MISMATCH

```

1.6 DENSITY Regression Summary Reports

```
[2025-08-29 10:55:44] [info] =====
[2025-08-29 10:55:44] [info]                      Density Rule Check Report
[2025-08-29 10:55:44] [info] =====

[2025-08-29 10:55:44] [info] Report Generated:    2025-08-29
[2025-08-29 10:55:44] [info] Run Start Time:     10:54:21 AM
[2025-08-29 10:55:44] [info] Run End Time:       10:55:44 AM
[2025-08-29 10:55:44] [info] Time Taken:         1 minutes 25 seconds

[2025-08-29 10:55:44] [info] Tool Version:       LVR_2025.1
[2025-08-29 10:55:44] [info] Host Name:          kuro-Workstation
[2025-08-29 10:55:44] [info] User Name:          kuro
[2025-08-29 10:55:44] [info] Cores Used:         1
[2025-08-29 10:55:44] [info] Memory Utilized:    1452.70 MB / 62.569698333740234 GB

[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info]                      Top Cell Information
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info] Layout Top Cell:    aes_cipher_top
[2025-08-29 10:55:44] [info] Technology Node:    Nangate45 (45nm)
[2025-08-29 10:55:44] [info] Database Format:     GDSII
[2025-08-29 10:55:44] [info] Verification Mode:   Full Check

[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info]                      Type of Errors | Count
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info] DB_WARN -> 1
[2025-08-29 10:55:44] [info] DB_WARN003 -> 221
[2025-08-29 10:55:44] [info] DENSITY_ERR -> 1005
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info]                      Density Rule Violation Summary
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info] | Rule ID      | Description              | Error Count |
[2025-08-29 10:55:44] [info] |-----|-----|-----|
[2025-08-29 10:55:44] [info] | ydir_fail    | "Ydir Fail"              | 1           |
[2025-08-29 10:55:44] [info] | xdir_fail    | "Xdir fail"              | 1           |
[2025-08-29 10:55:44] [info] | out_of_range | "Out of Range"           | 1           |
[2025-08-29 10:55:44] [info] | max_fail     | "Max Fail"               | 1           |
[2025-08-29 10:55:44] [info] | min_fail     | "Min Fail"               | 1001        |
[2025-08-29 10:55:44] [info] |-----|-----|-----|
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info]                      Performance Metrics
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info] | Stage                | Time Taken |
[2025-08-29 10:55:44] [info] |-----|-----|
[2025-08-29 10:55:44] [info] | GDS Parsing          | 0 minutes 2 seconds |
[2025-08-29 10:55:44] [info] | Rule Checking         | 1 minutes 22 seconds |
[2025-08-29 10:55:44] [info] | Report Generation    | 0 minutes 0 seconds |
[2025-08-29 10:55:44] [info] |-----|-----|

[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info]                      Summary
[2025-08-29 10:55:44] [info] -----
[2025-08-29 10:55:44] [info] Total Errors:    1005
[2025-08-29 10:55:44] [info] Total Warnings:  222
[2025-08-29 10:55:44] [info] DENSITY Status:  FAILED
```

```

[2025-08-29 10:57:27] [info] =====
[2025-08-29 10:57:27] [info] Density Rule Check Report
[2025-08-29 10:57:27] [info] =====

[2025-08-29 10:57:27] [info] Report Generated: 2025-08-29
[2025-08-29 10:57:27] [info] Run Start Time: 10:55:47 AM
[2025-08-29 10:57:27] [info] Run End Time: 10:57:27 AM
[2025-08-29 10:57:27] [info] Time Taken: 1 minutes 43 seconds

[2025-08-29 10:57:27] [info] Tool Version: LVR_2025.1
[2025-08-29 10:57:27] [info] Host Name: kuro-Workstation
[2025-08-29 10:57:27] [info] User Name: kuro
[2025-08-29 10:57:27] [info] Cores Used: 1
[2025-08-29 10:57:27] [info] Memory Utilized: 1469.68 MB / 62.569698333740234 GB

[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Top Cell Information
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Layout Top Cell: aes_cipher_top
[2025-08-29 10:57:27] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:57:27] [info] Database Format: GDSII
[2025-08-29 10:57:27] [info] Verification Mode: Full Check

[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Type of Errors | Count
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] DB_WARN -> 1
[2025-08-29 10:57:27] [info] DB_WARN003 -> 219
[2025-08-29 10:57:27] [info] DENSITY_ERR -> 1005
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Density Rule Violation Summary
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:57:27] [info] |-----|-----|-----|
[2025-08-29 10:57:27] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 10:57:27] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 10:57:27] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 10:57:27] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 10:57:27] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Performance Metrics
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] | Stage | Time Taken |
[2025-08-29 10:57:27] [info] |-----|-----|
[2025-08-29 10:57:27] [info] | GDS Parsing | 0 minutes 2 seconds |
[2025-08-29 10:57:27] [info] | Rule Checking | 1 minutes 40 seconds |
[2025-08-29 10:57:27] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Summary
[2025-08-29 10:57:27] [info] -----
[2025-08-29 10:57:27] [info] Total Errors: 1005
[2025-08-29 10:57:27] [info] Total Warnings: 220
[2025-08-29 10:57:27] [info] DENSITY Status: FAILED

```

```

[2025-08-29 10:58:48] [info] =====
[2025-08-29 10:58:48] [info]                      Density Rule Check Report
[2025-08-29 10:58:48] [info] =====

[2025-08-29 10:58:48] [info] Report Generated:    2025-08-29
[2025-08-29 10:58:48] [info] Run Start Time:      10:57:30 AM
[2025-08-29 10:58:48] [info] Run End Time:        10:58:48 AM
[2025-08-29 10:58:48] [info] Time Taken:          1 minutes 20 seconds

[2025-08-29 10:58:48] [info] Tool Version:        LVR_2025.1
[2025-08-29 10:58:48] [info] Host Name:           kuro-Workstation
[2025-08-29 10:58:48] [info] User Name:           kuro
[2025-08-29 10:58:48] [info] Cores Used:          1
[2025-08-29 10:58:48] [info] Memory Utilized:     1448.54 MB / 62.569698333740234 GB

[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info]                      Top Cell Information
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info] Layout Top Cell:     aes_cipher_top
[2025-08-29 10:58:48] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 10:58:48] [info] Database Format:       GDSII
[2025-08-29 10:58:48] [info] Verification Mode:    Full Check

[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info]                      Type of Errors | Count
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info] DB_WARN -> 1
[2025-08-29 10:58:48] [info] DB_WARN003 -> 221
[2025-08-29 10:58:48] [info] DENSITY_ERR -> 1005
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info]                      Density Rule Violation Summary
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info] | Rule ID      | Description              | Error Count |
[2025-08-29 10:58:48] [info] |-----|-----|-----|
[2025-08-29 10:58:48] [info] | ydir_fail    | "Ydir Fail"              | 1           |
[2025-08-29 10:58:48] [info] | xdir_fail    | "Xdir fail"              | 1           |
[2025-08-29 10:58:48] [info] | out_of_range | "Out of Range"           | 1           |
[2025-08-29 10:58:48] [info] | max_fail     | "Max Fail"               | 1           |
[2025-08-29 10:58:48] [info] | min_fail     | "Min Fail"               | 1001        |
[2025-08-29 10:58:48] [info] |-----|-----|-----|
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info]                      Performance Metrics
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info] | Stage          | Time Taken              |
[2025-08-29 10:58:48] [info] |-----|-----|
[2025-08-29 10:58:48] [info] | GDS Parsing    | 0 minutes 2 seconds     |
[2025-08-29 10:58:48] [info] | Rule Checking  | 1 minutes 17 seconds    |
[2025-08-29 10:58:48] [info] | Report Generation | 0 minutes 0 seconds     |
[2025-08-29 10:58:48] [info] |-----|-----|
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info]                      Summary
[2025-08-29 10:58:48] [info] -----
[2025-08-29 10:58:48] [info] Total Errors:      1005
[2025-08-29 10:58:48] [info] Total Warnings:    222
[2025-08-29 10:58:48] [info] DENSITY Status:    FAILED

```

```

[2025-08-29 10:54:18] [info] =====
[2025-08-29 10:54:18] [info] Density Rule Check Report
[2025-08-29 10:54:18] [info] =====

[2025-08-29 10:54:18] [info] Report Generated: 2025-08-29
[2025-08-29 10:54:18] [info] Run Start Time: 10:54:17 AM
[2025-08-29 10:54:18] [info] Run End Time: 10:54:18 AM
[2025-08-29 10:54:18] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:54:18] [info] Tool Version: LVR_2025.1
[2025-08-29 10:54:18] [info] Host Name: kuro-Workstation
[2025-08-29 10:54:18] [info] User Name: kuro
[2025-08-29 10:54:18] [info] Cores Used: 1
[2025-08-29 10:54:18] [info] Memory Utilized: 30.48 MB / 62.569698333740234 GB

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Top Cell Information
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Layout Top Cell: gcd
[2025-08-29 10:54:18] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:54:18] [info] Database Format: GDSII
[2025-08-29 10:54:18] [info] Verification Mode: Full Check

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Type of Errors | Count
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] DB_WARN -> 1
[2025-08-29 10:54:18] [info] DB_WARN003 -> 24
[2025-08-29 10:54:18] [info] DENSITY_ERR -> 1005
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Density Rule Violation Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:54:18] [info] |-----|-----|-----|
[2025-08-29 10:54:18] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 10:54:18] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 10:54:18] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 10:54:18] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 10:54:18] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Performance Metrics
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Stage | Time Taken |
[2025-08-29 10:54:18] [info] |-----|-----|
[2025-08-29 10:54:18] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Total Errors: 1005
[2025-08-29 10:54:18] [info] Total Warnings: 25
[2025-08-29 10:54:18] [info] DENSITY Status: FAILED

```

```

[2025-08-29 10:54:18] [info] =====
[2025-08-29 10:54:18] [info] Density Rule Check Report
[2025-08-29 10:54:18] [info] =====

[2025-08-29 10:54:18] [info] Report Generated: 2025-08-29
[2025-08-29 10:54:18] [info] Run Start Time: 10:54:18 AM
[2025-08-29 10:54:18] [info] Run End Time: 10:54:18 AM
[2025-08-29 10:54:18] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:54:18] [info] Tool Version: LVR_2025.1
[2025-08-29 10:54:18] [info] Host Name: kuro-Workstation
[2025-08-29 10:54:18] [info] User Name: kuro
[2025-08-29 10:54:18] [info] Cores Used: 1
[2025-08-29 10:54:18] [info] Memory Utilized: 31.00 MB / 62.569698333740234 GB

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Top Cell Information
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Layout Top Cell: gcd
[2025-08-29 10:54:18] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:54:18] [info] Database Format: GDSII
[2025-08-29 10:54:18] [info] Verification Mode: Full Check

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Type of Errors | Count
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] DB_WARN -> 1
[2025-08-29 10:54:18] [info] DB_WARN003 -> 34
[2025-08-29 10:54:18] [info] DENSITY_ERR -> 1005
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Density Rule Violation Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:54:18] [info] |-----|-----|-----|
[2025-08-29 10:54:18] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 10:54:18] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 10:54:18] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 10:54:18] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 10:54:18] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Performance Metrics
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Stage | Time Taken |
[2025-08-29 10:54:18] [info] |-----|-----|
[2025-08-29 10:54:18] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Total Errors: 1005
[2025-08-29 10:54:18] [info] Total Warnings: 35
[2025-08-29 10:54:18] [info] DENSITY Status: FAILED

```

```

[2025-08-29 10:54:18] [info] =====
[2025-08-29 10:54:18] [info] Density Rule Check Report
[2025-08-29 10:54:18] [info] =====

[2025-08-29 10:54:18] [info] Report Generated: 2025-08-29
[2025-08-29 10:54:18] [info] Run Start Time: 10:54:18 AM
[2025-08-29 10:54:18] [info] Run End Time: 10:54:18 AM
[2025-08-29 10:54:18] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 10:54:18] [info] Tool Version: LVR_2025.1
[2025-08-29 10:54:18] [info] Host Name: kuro-Workstation
[2025-08-29 10:54:18] [info] User Name: kuro
[2025-08-29 10:54:18] [info] Cores Used: 1
[2025-08-29 10:54:18] [info] Memory Utilized: 30.44 MB / 62.569698333740234 GB

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Top Cell Information
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Layout Top Cell: gcd
[2025-08-29 10:54:18] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 10:54:18] [info] Database Format: GDSII
[2025-08-29 10:54:18] [info] Verification Mode: Full Check

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Type of Errors | Count
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] DB_WARN -> 1
[2025-08-29 10:54:18] [info] DB_WARN003 -> 26
[2025-08-29 10:54:18] [info] DENSITY_ERR -> 1004
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Density Rule Violation Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Rule ID | Description | Error Count |
[2025-08-29 10:54:18] [info] |-----|-----|-----|
[2025-08-29 10:54:18] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 10:54:18] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 10:54:18] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 10:54:18] [info] | max_fail | "Max Fail" | 120 |
[2025-08-29 10:54:18] [info] | min_fail | "Min Fail" | 881 |
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Performance Metrics
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] | Stage | Time Taken |
[2025-08-29 10:54:18] [info] |-----|-----|
[2025-08-29 10:54:18] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 10:54:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Summary
[2025-08-29 10:54:18] [info] -----
[2025-08-29 10:54:18] [info] Total Errors: 1004
[2025-08-29 10:54:18] [info] Total Warnings: 27
[2025-08-29 10:54:18] [info] DENSITY Status: FAILED

```

```

[2025-08-29 11:00:29] [info] =====
[2025-08-29 11:00:29] [info]              Density Rule Check Report
[2025-08-29 11:00:29] [info] =====

[2025-08-29 11:00:29] [info] Report Generated:    2025-08-29
[2025-08-29 11:00:29] [info] Run Start Time:      10:58:51 AM
[2025-08-29 11:00:29] [info] Run End Time:        11:00:29 AM
[2025-08-29 11:00:29] [info] Time Taken:          1 minutes 40 seconds

[2025-08-29 11:00:29] [info] Tool Version:        LVR_2025.1
[2025-08-29 11:00:29] [info] Host Name:           kuro-Workstation
[2025-08-29 11:00:29] [info] User Name:           kuro
[2025-08-29 11:00:29] [info] Cores Used:          1
[2025-08-29 11:00:29] [info] Memory Utilized:     1574.52 MB / 62.569698333740234 GB

[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info]              Top Cell Information
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info] Layout Top Cell:     ibex_core
[2025-08-29 11:00:29] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 11:00:29] [info] Database Format:       GDSII
[2025-08-29 11:00:29] [info] Verification Mode:    Full Check

[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info]              Type of Errors | Count
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info] DB_WARN -> 1
[2025-08-29 11:00:29] [info] DB_WARN003 -> 85
[2025-08-29 11:00:29] [info] DENSITY_ERR -> 1005
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info]              Density Rule Violation Summary
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info] | Rule ID      | Description                | Error Count |
[2025-08-29 11:00:29] [info] |-----|-----|-----|
[2025-08-29 11:00:29] [info] | ydir_fail    | "Ydir Fail"                | 1           |
[2025-08-29 11:00:29] [info] | xdir_fail    | "Xdir fail"                | 1           |
[2025-08-29 11:00:29] [info] | out_of_range | "Out of Range"             | 1           |
[2025-08-29 11:00:29] [info] | max_fail     | "Max Fail"                 | 1           |
[2025-08-29 11:00:29] [info] | min_fail     | "Min Fail"                 | 1001        |
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info]              Performance Metrics
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info] | Stage                | Time Taken |
[2025-08-29 11:00:29] [info] |-----|-----|
[2025-08-29 11:00:29] [info] | GDS Parsing          | 0 minutes 3 seconds |
[2025-08-29 11:00:29] [info] | Rule Checking        | 1 minutes 37 seconds |
[2025-08-29 11:00:29] [info] | Report Generation    | 0 minutes 0 seconds |

[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info]              Summary
[2025-08-29 11:00:29] [info] -----
[2025-08-29 11:00:29] [info] Total Errors:    1005
[2025-08-29 11:00:29] [info] Total Warnings:   86
[2025-08-29 11:00:29] [info] DENSITY Status:   FAILED

```



```

[2025-08-29 11:02:24] [info] =====
[2025-08-29 11:02:24] [info]           Density Rule Check Report
[2025-08-29 11:02:24] [info] =====

[2025-08-29 11:02:24] [info] Report Generated:    2025-08-29
[2025-08-29 11:02:24] [info] Run Start Time:      11:00:32 AM
[2025-08-29 11:02:24] [info] Run End Time:        11:02:24 AM
[2025-08-29 11:02:24] [info] Time Taken:          1 minutes 54 seconds

[2025-08-29 11:02:24] [info] Tool Version:        LVR_2025.1
[2025-08-29 11:02:24] [info] Host Name:           kuro-Workstation
[2025-08-29 11:02:24] [info] User Name:           kuro
[2025-08-29 11:02:24] [info] Cores Used:          1
[2025-08-29 11:02:24] [info] Memory Utilized:     1601.60 MB / 62.569698333740234 GB

[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info]           Top Cell Information
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info] Layout Top Cell:     ibex_core
[2025-08-29 11:02:24] [info] Technology Node:      Nangate45 (45nm)
[2025-08-29 11:02:24] [info] Database Format:       GDSII
[2025-08-29 11:02:24] [info] Verification Mode:    Full Check

[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info]           Type of Errors | Count
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info] DB_WARN -> 1
[2025-08-29 11:02:24] [info] DB_WARN003 -> 85
[2025-08-29 11:02:24] [info] DENSITY_ERR -> 1005
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info]           Density Rule Violation Summary
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info] | Rule ID      | Description              | Error Count |
[2025-08-29 11:02:24] [info] |-----|-----|-----|
[2025-08-29 11:02:24] [info] | ydir_fail    | "Ydir Fail"              | 1           |
[2025-08-29 11:02:24] [info] | xdir_fail    | "Xdir fail"              | 1           |
[2025-08-29 11:02:24] [info] | out_of_range | "Out of Range"           | 1           |
[2025-08-29 11:02:24] [info] | max_fail     | "Max Fail"               | 1           |
[2025-08-29 11:02:24] [info] | min_fail     | "Min Fail"               | 1001        |
[2025-08-29 11:02:24] [info] |-----|-----|-----|
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info]           Performance Metrics
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info] | Stage              | Time Taken              |
[2025-08-29 11:02:24] [info] |-----|-----|
[2025-08-29 11:02:24] [info] | GDS Parsing         | 0 minutes 3 seconds     |
[2025-08-29 11:02:24] [info] | Rule Checking        | 1 minutes 51 seconds    |
[2025-08-29 11:02:24] [info] | Report Generation    | 0 minutes 0 seconds     |

[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info]           Summary
[2025-08-29 11:02:24] [info] -----
[2025-08-29 11:02:24] [info] Total Errors:    1005
[2025-08-29 11:02:24] [info] Total Warnings:    86
[2025-08-29 11:02:24] [info] DENSITY Status:    FAILED

```

```

[2025-08-29 11:03:53] [info] =====
[2025-08-29 11:03:53] [info] Density Rule Check Report
[2025-08-29 11:03:53] [info] =====

[2025-08-29 11:03:53] [info] Report Generated: 2025-08-29
[2025-08-29 11:03:53] [info] Run Start Time: 11:02:27 AM
[2025-08-29 11:03:53] [info] Run End Time: 11:03:53 AM
[2025-08-29 11:03:53] [info] Time Taken: 1 minutes 29 seconds

[2025-08-29 11:03:53] [info] Tool Version: LVR_2025.1
[2025-08-29 11:03:53] [info] Host Name: kuro-Workstation
[2025-08-29 11:03:53] [info] User Name: kuro
[2025-08-29 11:03:53] [info] Cores Used: 1
[2025-08-29 11:03:53] [info] Memory Utilized: 1464.05 MB / 62.569698333740234 GB

[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Top Cell Information
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Layout Top Cell: ibex_core
[2025-08-29 11:03:53] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 11:03:53] [info] Database Format: GDSII
[2025-08-29 11:03:53] [info] Verification Mode: Full Check

[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Type of Errors | Count
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] DB_WARN -> 1
[2025-08-29 11:03:53] [info] DB_WARN003 -> 98
[2025-08-29 11:03:53] [info] DENSITY_ERR -> 1005
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Density Rule Violation Summary
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] | Rule ID | Description | Error Count |
[2025-08-29 11:03:53] [info] |-----|-----|-----|
[2025-08-29 11:03:53] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 11:03:53] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 11:03:53] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 11:03:53] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 11:03:53] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Performance Metrics
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] | Stage | Time Taken |
[2025-08-29 11:03:53] [info] |-----|-----|
[2025-08-29 11:03:53] [info] | GDS Parsing | 0 minutes 2 seconds |
[2025-08-29 11:03:53] [info] | Rule Checking | 1 minutes 25 seconds |
[2025-08-29 11:03:53] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Summary
[2025-08-29 11:03:53] [info] -----
[2025-08-29 11:03:53] [info] Total Errors: 1005
[2025-08-29 11:03:53] [info] Total Warnings: 99
[2025-08-29 11:03:53] [info] DENSITY Status: FAILED

```

```

[2025-08-29 11:14:13] [info] =====
[2025-08-29 11:14:13] [info] Density Rule Check Report
[2025-08-29 11:14:13] [info] =====

[2025-08-29 11:14:13] [info] Report Generated: 2025-08-29
[2025-08-29 11:14:13] [info] Run Start Time: 11:04:03 AM
[2025-08-29 11:14:13] [info] Run End Time: 11:14:13 AM
[2025-08-29 11:14:13] [info] Time Taken: 10 minutes 19 seconds

[2025-08-29 11:14:13] [info] Tool Version: LVR_2025.1
[2025-08-29 11:14:13] [info] Host Name: kuro-Workstation
[2025-08-29 11:14:13] [info] User Name: kuro
[2025-08-29 11:14:13] [info] Cores Used: 1
[2025-08-29 11:14:13] [info] Memory Utilized: 4551.48 MB / 62.569698333740234 GB

[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Top Cell Information
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 11:14:13] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 11:14:13] [info] Database Format: GDSII
[2025-08-29 11:14:13] [info] Verification Mode: Full Check

[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Type of Errors | Count
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] DB_WARN -> 1
[2025-08-29 11:14:13] [info] DB_WARN003 -> 37
[2025-08-29 11:14:13] [info] DENSITY_ERR -> 1005
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Density Rule Violation Summary
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] | Rule ID | Description | Error Count |
[2025-08-29 11:14:13] [info] |-----|-----|-----|
[2025-08-29 11:14:13] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 11:14:13] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 11:14:13] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 11:14:13] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 11:14:13] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Performance Metrics
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] | Stage | Time Taken |
[2025-08-29 11:14:13] [info] |-----|-----|
[2025-08-29 11:14:13] [info] | GDS Parsing | 0 minutes 9 seconds |
[2025-08-29 11:14:13] [info] | Rule Checking | 10 minutes 8 seconds |
[2025-08-29 11:14:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Summary
[2025-08-29 11:14:13] [info] -----
[2025-08-29 11:14:13] [info] Total Errors: 1005
[2025-08-29 11:14:13] [info] Total Warnings: 38
[2025-08-29 11:14:13] [info] DENSITY Status: FAILED

```

```

[2025-08-29 11:26:15] [info] =====
[2025-08-29 11:26:15] [info] Density Rule Check Report
[2025-08-29 11:26:15] [info] =====

[2025-08-29 11:26:15] [info] Report Generated: 2025-08-29
[2025-08-29 11:26:15] [info] Run Start Time: 11:14:24 AM
[2025-08-29 11:26:15] [info] Run End Time: 11:26:15 AM
[2025-08-29 11:26:15] [info] Time Taken: 12 minutes 0 seconds

[2025-08-29 11:26:15] [info] Tool Version: LVR_2025.1
[2025-08-29 11:26:15] [info] Host Name: kuro-Workstation
[2025-08-29 11:26:15] [info] User Name: kuro
[2025-08-29 11:26:15] [info] Cores Used: 1
[2025-08-29 11:26:15] [info] Memory Utilized: 4599.00 MB / 62.569698333740234 GB

[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Top Cell Information
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 11:26:15] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 11:26:15] [info] Database Format: GDSII
[2025-08-29 11:26:15] [info] Verification Mode: Full Check

[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Type of Errors | Count
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] DB_WARN -> 1
[2025-08-29 11:26:15] [info] DB_WARN003 -> 39
[2025-08-29 11:26:15] [info] DENSITY_ERR -> 1005
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Density Rule Violation Summary
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] | Rule ID | Description | Error Count |
[2025-08-29 11:26:15] [info] |-----|-----|-----|
[2025-08-29 11:26:15] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 11:26:15] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 11:26:15] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 11:26:15] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 11:26:15] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Performance Metrics
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] | Stage | Time Taken |
[2025-08-29 11:26:15] [info] |-----|-----|
[2025-08-29 11:26:15] [info] | GDS Parsing | 0 minutes 10 seconds |
[2025-08-29 11:26:15] [info] | Rule Checking | 11 minutes 49 seconds |
[2025-08-29 11:26:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Summary
[2025-08-29 11:26:15] [info] -----
[2025-08-29 11:26:15] [info] Total Errors: 1005
[2025-08-29 11:26:15] [info] Total Warnings: 40
[2025-08-29 11:26:15] [info] DENSITY Status: FAILED

```

```

[2025-08-29 11:35:40] [info] =====
[2025-08-29 11:35:40] [info] Density Rule Check Report
[2025-08-29 11:35:40] [info] =====

[2025-08-29 11:35:40] [info] Report Generated: 2025-08-29
[2025-08-29 11:35:40] [info] Run Start Time: 11:26:25 AM
[2025-08-29 11:35:40] [info] Run End Time: 11:35:40 AM
[2025-08-29 11:35:40] [info] Time Taken: 9 minutes 25 seconds

[2025-08-29 11:35:40] [info] Tool Version: LVR_2025.1
[2025-08-29 11:35:40] [info] Host Name: kuro-Workstation
[2025-08-29 11:35:40] [info] User Name: kuro
[2025-08-29 11:35:40] [info] Cores Used: 1
[2025-08-29 11:35:40] [info] Memory Utilized: 4518.73 MB / 62.569698333740234 GB

[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Top Cell Information
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Layout Top Cell: jpeg_encoder
[2025-08-29 11:35:40] [info] Technology Node: Nangate45 (45nm)
[2025-08-29 11:35:40] [info] Database Format: GDSII
[2025-08-29 11:35:40] [info] Verification Mode: Full Check

[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Type of Errors | Count
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] DB_WARN -> 1
[2025-08-29 11:35:40] [info] DB_WARN003 -> 34
[2025-08-29 11:35:40] [info] DENSITY_ERR -> 1005
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Density Rule Violation Summary
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] | Rule ID | Description | Error Count |
[2025-08-29 11:35:40] [info] |-----|-----|-----|
[2025-08-29 11:35:40] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 11:35:40] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 11:35:40] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 11:35:40] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 11:35:40] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Performance Metrics
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] | Stage | Time Taken |
[2025-08-29 11:35:40] [info] |-----|-----|
[2025-08-29 11:35:40] [info] | GDS Parsing | 0 minutes 9 seconds |
[2025-08-29 11:35:40] [info] | Rule Checking | 9 minutes 14 seconds |
[2025-08-29 11:35:40] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Summary
[2025-08-29 11:35:40] [info] -----
[2025-08-29 11:35:40] [info] Total Errors: 1005
[2025-08-29 11:35:40] [info] Total Warnings: 35
[2025-08-29 11:35:40] [info] DENSITY Status: FAILED

```

```

[2025-08-28 08:08:53] [info] =====
[2025-08-28 08:08:53] [info] Density Rule Check Report
[2025-08-28 08:08:53] [info] =====

[2025-08-28 08:08:53] [info] Report Generated: 2025-08-28
[2025-08-28 08:08:53] [info] Run Start Time: 08:08:39 AM
[2025-08-28 08:08:53] [info] Run End Time: 08:08:53 AM
[2025-08-28 08:08:53] [info] Time Taken: 0 minutes 20 seconds

[2025-08-28 08:08:53] [info] Tool Version: LVR_2025.1
[2025-08-28 08:08:53] [info] Host Name: kuro-Workstation
[2025-08-28 08:08:53] [info] User Name: kuro
[2025-08-28 08:08:53] [info] Cores Used: 1
[2025-08-28 08:08:53] [info] Memory Utilized: 3386.38 MB / 62.5692024230957 GB

[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Top Cell Information
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Layout Top Cell: aes_cipher_top1_sky130hd
[2025-08-28 08:08:53] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:08:53] [info] Database Format: GDSII
[2025-08-28 08:08:53] [info] Verification Mode: Full Check

[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Type of Errors | Count
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] DB_WARN -> 1
[2025-08-28 08:08:53] [info] LRF_ERR001 -> 14
[2025-08-28 08:08:53] [info] DB_WARN002 -> 144
[2025-08-28 08:08:53] [info] DB_WARN003 -> 137
[2025-08-28 08:08:53] [info] DENSITY_ERR -> 1005
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Density Rule Violation Summary
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:08:53] [info] |-----|-----|-----|
[2025-08-28 08:08:53] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:08:53] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:08:53] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:08:53] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:08:53] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:08:53] [info]
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Performance Metrics
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] | Stage | Time Taken |
[2025-08-28 08:08:53] [info] |-----|-----|
[2025-08-28 08:08:53] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-28 08:08:53] [info] | Rule Checking | 0 minutes 14 seconds |
[2025-08-28 08:08:53] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Summary
[2025-08-28 08:08:53] [info] -----
[2025-08-28 08:08:53] [info] Total Errors: 1019
[2025-08-28 08:08:53] [info] Total Warnings: 282
[2025-08-28 08:08:53] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:09:18] [info] =====
[2025-08-28 08:09:18] [info] Density Rule Check Report
[2025-08-28 08:09:18] [info] =====

[2025-08-28 08:09:18] [info] Report Generated: 2025-08-28
[2025-08-28 08:09:18] [info] Run Start Time: 08:09:01 AM
[2025-08-28 08:09:18] [info] Run End Time: 08:09:18 AM
[2025-08-28 08:09:18] [info] Time Taken: 0 minutes 24 seconds

[2025-08-28 08:09:18] [info] Tool Version: LVR_2025.1
[2025-08-28 08:09:18] [info] Host Name: kuro-Workstation
[2025-08-28 08:09:18] [info] User Name: kuro
[2025-08-28 08:09:18] [info] Cores Used: 1
[2025-08-28 08:09:18] [info] Memory Utilized: 3980.60 MB / 62.5692024230957 GB

[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Top Cell Information
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-08-28 08:09:18] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:09:18] [info] Database Format: GDSII
[2025-08-28 08:09:18] [info] Verification Mode: Full Check

[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Type of Errors | Count
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] DB_WARN -> 1
[2025-08-28 08:09:18] [info] LRF_ERR001 -> 14
[2025-08-28 08:09:18] [info] DB_WARN002 -> 141
[2025-08-28 08:09:18] [info] DB_WARN003 -> 135
[2025-08-28 08:09:18] [info] DENSITY_ERR -> 1005
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Density Rule Violation Summary
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:09:18] [info] |-----|-----|-----|
[2025-08-28 08:09:18] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:09:18] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:09:18] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:09:18] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:09:18] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:09:18] [info]
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Performance Metrics
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] | Stage | Time Taken |
[2025-08-28 08:09:18] [info] |-----|-----|
[2025-08-28 08:09:18] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-08-28 08:09:18] [info] | Rule Checking | 0 minutes 16 seconds |
[2025-08-28 08:09:18] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Summary
[2025-08-28 08:09:18] [info] -----
[2025-08-28 08:09:18] [info] Total Errors: 1019
[2025-08-28 08:09:18] [info] Total Warnings: 277
[2025-08-28 08:09:18] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:09:37] [info] =====
[2025-08-28 08:09:37] [info] Density Rule Check Report
[2025-08-28 08:09:37] [info] =====

[2025-08-28 08:09:37] [info] Report Generated: 2025-08-28
[2025-08-28 08:09:37] [info] Run Start Time: 08:09:24 AM
[2025-08-28 08:09:37] [info] Run End Time: 08:09:37 AM
[2025-08-28 08:09:37] [info] Time Taken: 0 minutes 17 seconds

[2025-08-28 08:09:37] [info] Tool Version: LVR_2025.1
[2025-08-28 08:09:37] [info] Host Name: kuro-Workstation
[2025-08-28 08:09:37] [info] User Name: kuro
[2025-08-28 08:09:37] [info] Cores Used: 1
[2025-08-28 08:09:37] [info] Memory Utilized: 2774.09 MB / 62.5692024230957 GB

[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Top Cell Information
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Layout Top Cell: aes_cipher_top3_sky130hd
[2025-08-28 08:09:37] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:09:37] [info] Database Format: GDSII
[2025-08-28 08:09:37] [info] Verification Mode: Full Check

[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Type of Errors | Count
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] DB_WARN -> 1
[2025-08-28 08:09:37] [info] LRF_ERR001 -> 14
[2025-08-28 08:09:37] [info] DB_WARN002 -> 138
[2025-08-28 08:09:37] [info] DB_WARN003 -> 132
[2025-08-28 08:09:37] [info] DENSITY_ERR -> 1005
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Density Rule Violation Summary
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:09:37] [info] |-----|-----|-----|
[2025-08-28 08:09:37] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:09:37] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:09:37] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:09:37] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:09:37] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:09:37] [info]
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Performance Metrics
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] | Stage | Time Taken |
[2025-08-28 08:09:37] [info] |-----|-----|
[2025-08-28 08:09:37] [info] | GDS Parsing | 0 minutes 5 seconds |
[2025-08-28 08:09:37] [info] | Rule Checking | 0 minutes 12 seconds |
[2025-08-28 08:09:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Summary
[2025-08-28 08:09:37] [info] -----
[2025-08-28 08:09:37] [info] Total Errors: 1019
[2025-08-28 08:09:37] [info] Total Warnings: 271
[2025-08-28 08:09:37] [info] DENSITY Status: CLEAN

```



```

[2025-08-28 12:19:07] [info] =====
[2025-08-28 12:19:07] [info] Density Rule Check Report
[2025-08-28 12:19:07] [info] =====

[2025-08-28 12:19:07] [info] Report Generated: 2025-08-28
[2025-08-28 12:19:07] [info] Run Start Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Run End Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Time Taken: 0 minutes 0 seconds

[2025-08-28 12:19:07] [info] Tool Version: LVR_2025.1
[2025-08-28 12:19:07] [info] Host Name: kuro-Workstation
[2025-08-28 12:19:07] [info] User Name: kuro
[2025-08-28 12:19:07] [info] Cores Used: 1
[2025-08-28 12:19:07] [info] Memory Utilized: 47.54 MB / 62.5692024230957 GB

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Top Cell Information
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Layout Top Cell: gcd1_sky130hd
[2025-08-28 12:19:07] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 12:19:07] [info] Database Format: GDSII
[2025-08-28 12:19:07] [info] Verification Mode: Full Check

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Type of Errors | Count
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] DB_WARN -> 1
[2025-08-28 12:19:07] [info] LRF_ERR001 -> 14
[2025-08-28 12:19:07] [info] DB_WARN002 -> 58
[2025-08-28 12:19:07] [info] DB_WARN003 -> 55
[2025-08-28 12:19:07] [info] DENSITY_ERR -> 1005
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Density Rule Violation Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Rule ID | Description | Error Count |
[2025-08-28 12:19:07] [info] |-----|-----|-----|
[2025-08-28 12:19:07] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 12:19:07] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 12:19:07] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 12:19:07] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 12:19:07] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 12:19:07] [info]
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Performance Metrics
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Stage | Time Taken |
[2025-08-28 12:19:07] [info] |-----|-----|
[2025-08-28 12:19:07] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Total Errors: 1019
[2025-08-28 12:19:07] [info] Total Warnings: 114
[2025-08-28 12:19:07] [info] DENSITY Status: FAILED

```

```

[2025-08-28 12:19:07] [info] =====
[2025-08-28 12:19:07] [info] Density Rule Check Report
[2025-08-28 12:19:07] [info] =====

[2025-08-28 12:19:07] [info] Report Generated: 2025-08-28
[2025-08-28 12:19:07] [info] Run Start Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Run End Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Time Taken: 0 minutes 0 seconds

[2025-08-28 12:19:07] [info] Tool Version: LVR_2025.1
[2025-08-28 12:19:07] [info] Host Name: kuro-Workstation
[2025-08-28 12:19:07] [info] User Name: kuro
[2025-08-28 12:19:07] [info] Cores Used: 1
[2025-08-28 12:19:07] [info] Memory Utilized: 51.71 MB / 62.5692024230957 GB

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Top Cell Information
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Layout Top Cell: gcd2_sky130hd
[2025-08-28 12:19:07] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 12:19:07] [info] Database Format: GDSII
[2025-08-28 12:19:07] [info] Verification Mode: Full Check

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Type of Errors | Count
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] DB_WARN -> 1
[2025-08-28 12:19:07] [info] LRF_ERR001 -> 14
[2025-08-28 12:19:07] [info] DB_WARN002 -> 59
[2025-08-28 12:19:07] [info] DB_WARN003 -> 56
[2025-08-28 12:19:07] [info] DENSITY_ERR -> 1005
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Density Rule Violation Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Rule ID | Description | Error Count |
[2025-08-28 12:19:07] [info] |-----|-----|-----|
[2025-08-28 12:19:07] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 12:19:07] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 12:19:07] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 12:19:07] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 12:19:07] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 12:19:07] [info]
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Performance Metrics
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Stage | Time Taken |
[2025-08-28 12:19:07] [info] |-----|-----|
[2025-08-28 12:19:07] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Total Errors: 1019
[2025-08-28 12:19:07] [info] Total Warnings: 116
[2025-08-28 12:19:07] [info] DENSITY Status: FAILED

```

```

[2025-08-28 12:19:07] [info] =====
[2025-08-28 12:19:07] [info] Density Rule Check Report
[2025-08-28 12:19:07] [info] =====

[2025-08-28 12:19:07] [info] Report Generated: 2025-08-28
[2025-08-28 12:19:07] [info] Run Start Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Run End Time: 12:19:07 PM
[2025-08-28 12:19:07] [info] Time Taken: 0 minutes 0 seconds

[2025-08-28 12:19:07] [info] Tool Version: LVR_2025.1
[2025-08-28 12:19:07] [info] Host Name: kuro-Workstation
[2025-08-28 12:19:07] [info] User Name: kuro
[2025-08-28 12:19:07] [info] Cores Used: 1
[2025-08-28 12:19:07] [info] Memory Utilized: 41.18 MB / 62.5692024230957 GB

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Top Cell Information
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Layout Top Cell: gcd3_sky130hd
[2025-08-28 12:19:07] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 12:19:07] [info] Database Format: GDSII
[2025-08-28 12:19:07] [info] Verification Mode: Full Check

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Type of Errors | Count
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] DB_WARN -> 1
[2025-08-28 12:19:07] [info] LRF_ERR001 -> 14
[2025-08-28 12:19:07] [info] DB_WARN002 -> 59
[2025-08-28 12:19:07] [info] DB_WARN003 -> 56
[2025-08-28 12:19:07] [info] DENSITY_ERR -> 1005
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Density Rule Violation Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Rule ID | Description | Error Count |
[2025-08-28 12:19:07] [info] |-----|-----|-----|
[2025-08-28 12:19:07] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 12:19:07] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 12:19:07] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 12:19:07] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 12:19:07] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Performance Metrics
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] | Stage | Time Taken |
[2025-08-28 12:19:07] [info] |-----|-----|
[2025-08-28 12:19:07] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-28 12:19:07] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Summary
[2025-08-28 12:19:07] [info] -----
[2025-08-28 12:19:07] [info] Total Errors: 1019
[2025-08-28 12:19:07] [info] Total Warnings: 116
[2025-08-28 12:19:07] [info] DENSITY Status: FAILED

```

```

[2025-08-28 08:09:56] [info] =====
[2025-08-28 08:09:56] [info] Density Rule Check Report
[2025-08-28 08:09:56] [info] =====

[2025-08-28 08:09:56] [info] Report Generated: 2025-08-28
[2025-08-28 08:09:56] [info] Run Start Time: 08:09:44 AM
[2025-08-28 08:09:56] [info] Run End Time: 08:09:56 AM
[2025-08-28 08:09:56] [info] Time Taken: 0 minutes 18 seconds

[2025-08-28 08:09:56] [info] Tool Version: LVR_2025.1
[2025-08-28 08:09:56] [info] Host Name: kuro-Workstation
[2025-08-28 08:09:56] [info] User Name: kuro
[2025-08-28 08:09:56] [info] Cores Used: 1
[2025-08-28 08:09:56] [info] Memory Utilized: 3200.73 MB / 62.5692024230957 GB

[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Top Cell Information
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Layout Top Cell: ibex_core1_sky130hd
[2025-08-28 08:09:56] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:09:56] [info] Database Format: GDSII
[2025-08-28 08:09:56] [info] Verification Mode: Full Check

[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Type of Errors | Count
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] DB_WARN -> 1
[2025-08-28 08:09:56] [info] LRF_ERR001 -> 14
[2025-08-28 08:09:56] [info] DB_WARN002 -> 251
[2025-08-28 08:09:56] [info] DB_WARN003 -> 251
[2025-08-28 08:09:56] [info] DENSITY_ERR -> 1005
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Density Rule Violation Summary
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:09:56] [info] |-----|-----|-----|
[2025-08-28 08:09:56] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:09:56] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:09:56] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:09:56] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:09:56] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:09:56] [info]
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Performance Metrics
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] | Stage | Time Taken |
[2025-08-28 08:09:56] [info] |-----|-----|
[2025-08-28 08:09:56] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-28 08:09:56] [info] | Rule Checking | 0 minutes 11 seconds |
[2025-08-28 08:09:56] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Summary
[2025-08-28 08:09:56] [info] -----
[2025-08-28 08:09:56] [info] Total Errors: 1019
[2025-08-28 08:09:56] [info] Total Warnings: 503
[2025-08-28 08:09:56] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:10:15] [info] =====
[2025-08-28 08:10:15] [info] Density Rule Check Report
[2025-08-28 08:10:15] [info] =====

[2025-08-28 08:10:15] [info] Report Generated: 2025-08-28
[2025-08-28 08:10:15] [info] Run Start Time: 08:10:03 AM
[2025-08-28 08:10:15] [info] Run End Time: 08:10:15 AM
[2025-08-28 08:10:15] [info] Time Taken: 0 minutes 18 seconds

[2025-08-28 08:10:15] [info] Tool Version: LVR_2025.1
[2025-08-28 08:10:15] [info] Host Name: kuro-Workstation
[2025-08-28 08:10:15] [info] User Name: kuro
[2025-08-28 08:10:15] [info] Cores Used: 1
[2025-08-28 08:10:15] [info] Memory Utilized: 3244.11 MB / 62.5692024230957 GB

[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Top Cell Information
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-08-28 08:10:15] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:10:15] [info] Database Format: GDSII
[2025-08-28 08:10:15] [info] Verification Mode: Full Check

[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Type of Errors | Count
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] DB_WARN -> 1
[2025-08-28 08:10:15] [info] LRF_ERR001 -> 14
[2025-08-28 08:10:15] [info] DB_WARN002 -> 249
[2025-08-28 08:10:15] [info] DB_WARN003 -> 249
[2025-08-28 08:10:15] [info] DENSITY_ERR -> 1005
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Density Rule Violation Summary
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:10:15] [info] |-----|-----|-----|
[2025-08-28 08:10:15] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:10:15] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:10:15] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:10:15] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:10:15] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:10:15] [info]
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Performance Metrics
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] | Stage | Time Taken |
[2025-08-28 08:10:15] [info] |-----|-----|
[2025-08-28 08:10:15] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-28 08:10:15] [info] | Rule Checking | 0 minutes 11 seconds |
[2025-08-28 08:10:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Summary
[2025-08-28 08:10:15] [info] -----
[2025-08-28 08:10:15] [info] Total Errors: 1019
[2025-08-28 08:10:15] [info] Total Warnings: 499
[2025-08-28 08:10:15] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:10:35] [info] =====
[2025-08-28 08:10:35] [info] Density Rule Check Report
[2025-08-28 08:10:35] [info] =====

[2025-08-28 08:10:35] [info] Report Generated: 2025-08-28
[2025-08-28 08:10:35] [info] Run Start Time: 08:10:22 AM
[2025-08-28 08:10:35] [info] Run End Time: 08:10:35 AM
[2025-08-28 08:10:35] [info] Time Taken: 0 minutes 18 seconds

[2025-08-28 08:10:35] [info] Tool Version: LVR_2025.1
[2025-08-28 08:10:35] [info] Host Name: kuro-Workstation
[2025-08-28 08:10:35] [info] User Name: kuro
[2025-08-28 08:10:35] [info] Cores Used: 1
[2025-08-28 08:10:35] [info] Memory Utilized: 3152.42 MB / 62.5692024230957 GB

[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Top Cell Information
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-08-28 08:10:35] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:10:35] [info] Database Format: GDSII
[2025-08-28 08:10:35] [info] Verification Mode: Full Check

[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Type of Errors | Count
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] DB_WARN -> 1
[2025-08-28 08:10:35] [info] LRF_ERR001 -> 14
[2025-08-28 08:10:35] [info] DB_WARN002 -> 253
[2025-08-28 08:10:35] [info] DB_WARN003 -> 251
[2025-08-28 08:10:35] [info] DENSITY_ERR -> 1005
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Density Rule Violation Summary
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:10:35] [info] |-----|-----|-----|
[2025-08-28 08:10:35] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:10:35] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:10:35] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:10:35] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:10:35] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:10:35] [info]
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Performance Metrics
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] | Stage | Time Taken |
[2025-08-28 08:10:35] [info] |-----|-----|
[2025-08-28 08:10:35] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-28 08:10:35] [info] | Rule Checking | 0 minutes 12 seconds |
[2025-08-28 08:10:35] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Summary
[2025-08-28 08:10:35] [info] -----
[2025-08-28 08:10:35] [info] Total Errors: 1019
[2025-08-28 08:10:35] [info] Total Warnings: 505
[2025-08-28 08:10:35] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:11:27] [info] =====
[2025-08-28 08:11:27] [info] Density Rule Check Report
[2025-08-28 08:11:27] [info] =====

[2025-08-28 08:11:27] [info] Report Generated: 2025-08-28
[2025-08-28 08:11:27] [info] Run Start Time: 08:10:53 AM
[2025-08-28 08:11:27] [info] Run End Time: 08:11:27 AM
[2025-08-28 08:11:27] [info] Time Taken: 0 minutes 51 seconds

[2025-08-28 08:11:27] [info] Tool Version: LVR_2025.1
[2025-08-28 08:11:27] [info] Host Name: kuro-Workstation
[2025-08-28 08:11:27] [info] User Name: kuro
[2025-08-28 08:11:27] [info] Cores Used: 1
[2025-08-28 08:11:27] [info] Memory Utilized: 8300.30 MB / 62.5692024230957 GB

[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Top Cell Information
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-08-28 08:11:27] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:11:27] [info] Database Format: GDSII
[2025-08-28 08:11:27] [info] Verification Mode: Full Check

[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Type of Errors | Count
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] DB_WARN -> 1
[2025-08-28 08:11:27] [info] LRF_ERR001 -> 14
[2025-08-28 08:11:27] [info] DB_WARN002 -> 159
[2025-08-28 08:11:27] [info] DB_WARN003 -> 161
[2025-08-28 08:11:27] [info] DENSITY_ERR -> 1005
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Density Rule Violation Summary
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:11:27] [info] |-----|-----|-----|
[2025-08-28 08:11:27] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:11:27] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:11:27] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:11:27] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:11:27] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:11:27] [info]
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Performance Metrics
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] | Stage | Time Taken |
[2025-08-28 08:11:27] [info] |-----|-----|
[2025-08-28 08:11:27] [info] | GDS Parsing | 0 minutes 16 seconds |
[2025-08-28 08:11:27] [info] | Rule Checking | 0 minutes 33 seconds |
[2025-08-28 08:11:27] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Summary
[2025-08-28 08:11:27] [info] -----
[2025-08-28 08:11:27] [info] Total Errors: 1019
[2025-08-28 08:11:27] [info] Total Warnings: 321
[2025-08-28 08:11:27] [info] DENSITY Status: CLEAN

```

```

[2025-08-28 08:12:27] [info] =====
[2025-08-28 08:12:27] [info] Density Rule Check Report
[2025-08-28 08:12:27] [info] =====

[2025-08-28 08:12:27] [info] Report Generated: 2025-08-28
[2025-08-28 08:12:27] [info] Run Start Time: 08:11:48 AM
[2025-08-28 08:12:27] [info] Run End Time: 08:12:27 AM
[2025-08-28 08:12:27] [info] Time Taken: 0 minutes 58 seconds

[2025-08-28 08:12:27] [info] Tool Version: LVR_2025.1
[2025-08-28 08:12:27] [info] Host Name: kuro-Workstation
[2025-08-28 08:12:27] [info] User Name: kuro
[2025-08-28 08:12:27] [info] Cores Used: 1
[2025-08-28 08:12:27] [info] Memory Utilized: 9864.41 MB / 62.5692024230957 GB

[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Top Cell Information
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-08-28 08:12:27] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:12:27] [info] Database Format: GDSII
[2025-08-28 08:12:27] [info] Verification Mode: Full Check

[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Type of Errors | Count
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] DB_WARN -> 1
[2025-08-28 08:12:27] [info] LRF_ERR001 -> 14
[2025-08-28 08:12:27] [info] DB_WARN002 -> 157
[2025-08-28 08:12:27] [info] DB_WARN003 -> 159
[2025-08-28 08:12:27] [info] DENSITY_ERR -> 1005
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Density Rule Violation Summary
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:12:27] [info] |-----|-----|-----|
[2025-08-28 08:12:27] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:12:27] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:12:27] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:12:27] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:12:27] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:12:27] [info]
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Performance Metrics
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] | Stage | Time Taken |
[2025-08-28 08:12:27] [info] |-----|-----|
[2025-08-28 08:12:27] [info] | GDS Parsing | 0 minutes 19 seconds |
[2025-08-28 08:12:27] [info] | Rule Checking | 0 minutes 37 seconds |
[2025-08-28 08:12:27] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Summary
[2025-08-28 08:12:27] [info] -----
[2025-08-28 08:12:27] [info] Total Errors: 1019
[2025-08-28 08:12:27] [info] Total Warnings: 317
[2025-08-28 08:12:27] [info] DENSITY Status: CLEAN

```



```

[2025-08-28 08:13:15] [info] =====
[2025-08-28 08:13:15] [info] Density Rule Check Report
[2025-08-28 08:13:15] [info] =====

[2025-08-28 08:13:15] [info] Report Generated: 2025-08-28
[2025-08-28 08:13:15] [info] Run Start Time: 08:12:45 AM
[2025-08-28 08:13:15] [info] Run End Time: 08:13:14 AM
[2025-08-28 08:13:15] [info] Time Taken: 0 minutes 44 seconds

[2025-08-28 08:13:15] [info] Tool Version: LVR_2025.1
[2025-08-28 08:13:15] [info] Host Name: kuro-Workstation
[2025-08-28 08:13:15] [info] User Name: kuro
[2025-08-28 08:13:15] [info] Cores Used: 1
[2025-08-28 08:13:15] [info] Memory Utilized: 7236.33 MB / 62.5692024230957 GB

[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Top Cell Information
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-08-28 08:13:15] [info] Technology Node: SKY130HD (130nm)
[2025-08-28 08:13:15] [info] Database Format: GDSII
[2025-08-28 08:13:15] [info] Verification Mode: Full Check

[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Type of Errors | Count
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] DB_WARN -> 1
[2025-08-28 08:13:15] [info] LRF_ERR001 -> 14
[2025-08-28 08:13:15] [info] DB_WARN002 -> 152
[2025-08-28 08:13:15] [info] DB_WARN003 -> 155
[2025-08-28 08:13:15] [info] DENSITY_ERR -> 1005
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Density Rule Violation Summary
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] | Rule ID | Description | Error Count |
[2025-08-28 08:13:15] [info] |-----|-----|-----|
[2025-08-28 08:13:15] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-28 08:13:15] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-28 08:13:15] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-28 08:13:15] [info] | max_fail | "Max Fail" | 1 |
[2025-08-28 08:13:15] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-28 08:13:15] [info]
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Performance Metrics
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] | Stage | Time Taken |
[2025-08-28 08:13:15] [info] |-----|-----|
[2025-08-28 08:13:15] [info] | GDS Parsing | 0 minutes 14 seconds |
[2025-08-28 08:13:15] [info] | Rule Checking | 0 minutes 29 seconds |
[2025-08-28 08:13:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Summary
[2025-08-28 08:13:15] [info] -----
[2025-08-28 08:13:15] [info] Total Errors: 1019
[2025-08-28 08:13:15] [info] Total Warnings: 308
[2025-08-28 08:13:15] [info] DENSITY Status: CLEAN

```

```

[2025-08-29 09:53:37] [info] =====
[2025-08-29 09:53:37] [info] Density Rule Check Report
[2025-08-29 09:53:37] [info] =====

[2025-08-29 09:53:37] [info] Report Generated: 2025-08-29
[2025-08-29 09:53:37] [info] Run Start Time: 09:53:22 AM
[2025-08-29 09:53:37] [info] Run End Time: 09:53:37 AM
[2025-08-29 09:53:37] [info] Time Taken: 0 minutes 21 seconds

[2025-08-29 09:53:37] [info] Tool Version: LVR_2025.1
[2025-08-29 09:53:37] [info] Host Name: kuro-Workstation
[2025-08-29 09:53:37] [info] User Name: kuro
[2025-08-29 09:53:37] [info] Cores Used: 1
[2025-08-29 09:53:37] [info] Memory Utilized: 3386.38 MB / 62.569698333740234 GB

[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Top Cell Information
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Layout Top Cell: aes_cipher_top1_sky130hd
[2025-08-29 09:53:37] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:53:37] [info] Database Format: GDSII
[2025-08-29 09:53:37] [info] Verification Mode: Full Check

[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Type of Errors | Count
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] DB_WARN -> 1
[2025-08-29 09:53:37] [info] LRF_ERR001 -> 14
[2025-08-29 09:53:37] [info] DB_WARN002 -> 144
[2025-08-29 09:53:37] [info] DB_WARN003 -> 137
[2025-08-29 09:53:37] [info] DENSITY_ERR -> 1005
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Density Rule Violation Summary
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:53:37] [info] |-----|-----|-----|
[2025-08-29 09:53:37] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:53:37] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:53:37] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:53:37] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:53:37] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:53:37] [info]
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Performance Metrics
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] | Stage | Time Taken |
[2025-08-29 09:53:37] [info] |-----|-----|
[2025-08-29 09:53:37] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 09:53:37] [info] | Rule Checking | 0 minutes 14 seconds |
[2025-08-29 09:53:37] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Summary
[2025-08-29 09:53:37] [info] -----
[2025-08-29 09:53:37] [info] Total Errors: 1019
[2025-08-29 09:53:37] [info] Total Warnings: 282
[2025-08-29 09:53:37] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:54:03] [info] =====
[2025-08-29 09:54:03] [info] Density Rule Check Report
[2025-08-29 09:54:03] [info] =====

[2025-08-29 09:54:03] [info] Report Generated: 2025-08-29
[2025-08-29 09:54:03] [info] Run Start Time: 09:53:45 AM
[2025-08-29 09:54:03] [info] Run End Time: 09:54:03 AM
[2025-08-29 09:54:03] [info] Time Taken: 0 minutes 24 seconds

[2025-08-29 09:54:03] [info] Tool Version: LVR_2025.1
[2025-08-29 09:54:03] [info] Host Name: kuro-Workstation
[2025-08-29 09:54:03] [info] User Name: kuro
[2025-08-29 09:54:03] [info] Cores Used: 1
[2025-08-29 09:54:03] [info] Memory Utilized: 3980.60 MB / 62.569698333740234 GB

[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Top Cell Information
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Layout Top Cell: aes_cipher_top2_sky130hd
[2025-08-29 09:54:03] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:54:03] [info] Database Format: GDSII
[2025-08-29 09:54:03] [info] Verification Mode: Full Check

[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Type of Errors | Count
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] DB_WARN -> 1
[2025-08-29 09:54:03] [info] LRF_ERR001 -> 14
[2025-08-29 09:54:03] [info] DB_WARN002 -> 141
[2025-08-29 09:54:03] [info] DB_WARN003 -> 135
[2025-08-29 09:54:03] [info] DENSITY_ERR -> 1005
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Density Rule Violation Summary
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:54:03] [info] |-----|-----|-----|
[2025-08-29 09:54:03] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:54:03] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:54:03] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:54:03] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:54:03] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:54:03] [info]
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Performance Metrics
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] | Stage | Time Taken |
[2025-08-29 09:54:03] [info] |-----|-----|
[2025-08-29 09:54:03] [info] | GDS Parsing | 0 minutes 7 seconds |
[2025-08-29 09:54:03] [info] | Rule Checking | 0 minutes 16 seconds |
[2025-08-29 09:54:03] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Summary
[2025-08-29 09:54:03] [info] -----
[2025-08-29 09:54:03] [info] Total Errors: 1019
[2025-08-29 09:54:03] [info] Total Warnings: 277
[2025-08-29 09:54:03] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:54:22] [info] =====
[2025-08-29 09:54:22] [info] Density Rule Check Report
[2025-08-29 09:54:22] [info] =====

[2025-08-29 09:54:22] [info] Report Generated: 2025-08-29
[2025-08-29 09:54:22] [info] Run Start Time: 09:54:09 AM
[2025-08-29 09:54:22] [info] Run End Time: 09:54:22 AM
[2025-08-29 09:54:22] [info] Time Taken: 0 minutes 18 seconds

[2025-08-29 09:54:22] [info] Tool Version: LVR_2025.1
[2025-08-29 09:54:22] [info] Host Name: kuro-Workstation
[2025-08-29 09:54:22] [info] User Name: kuro
[2025-08-29 09:54:22] [info] Cores Used: 1
[2025-08-29 09:54:22] [info] Memory Utilized: 2774.09 MB / 62.569698333740234 GB

[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Top Cell Information
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Layout Top Cell: aes_cipher_top3_sky130hd
[2025-08-29 09:54:22] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:54:22] [info] Database Format: GDSII
[2025-08-29 09:54:22] [info] Verification Mode: Full Check

[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Type of Errors | Count
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] DB_WARN -> 1
[2025-08-29 09:54:22] [info] LRF_ERR001 -> 14
[2025-08-29 09:54:22] [info] DB_WARN002 -> 138
[2025-08-29 09:54:22] [info] DB_WARN003 -> 132
[2025-08-29 09:54:22] [info] DENSITY_ERR -> 1005
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Density Rule Violation Summary
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:54:22] [info] |-----|-----|-----|
[2025-08-29 09:54:22] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:54:22] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:54:22] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:54:22] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:54:22] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:54:22] [info]
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Performance Metrics
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] | Stage | Time Taken |
[2025-08-29 09:54:22] [info] |-----|-----|
[2025-08-29 09:54:22] [info] | GDS Parsing | 0 minutes 5 seconds |
[2025-08-29 09:54:22] [info] | Rule Checking | 0 minutes 12 seconds |
[2025-08-29 09:54:22] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Summary
[2025-08-29 09:54:22] [info] -----
[2025-08-29 09:54:22] [info] Total Errors: 1019
[2025-08-29 09:54:22] [info] Total Warnings: 271
[2025-08-29 09:54:22] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:53:15] [info] =====
[2025-08-29 09:53:15] [info] Density Rule Check Report
[2025-08-29 09:53:15] [info] =====

[2025-08-29 09:53:15] [info] Report Generated: 2025-08-29
[2025-08-29 09:53:15] [info] Run Start Time: 09:53:15 AM
[2025-08-29 09:53:15] [info] Run End Time: 09:53:15 AM
[2025-08-29 09:53:15] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 09:53:15] [info] Tool Version: LVR_2025.1
[2025-08-29 09:53:15] [info] Host Name: kuro-Workstation
[2025-08-29 09:53:15] [info] User Name: kuro
[2025-08-29 09:53:15] [info] Cores Used: 1
[2025-08-29 09:53:15] [info] Memory Utilized: 47.54 MB / 62.569698333740234 GB

[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Top Cell Information
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Layout Top Cell: gcd1_sky130hd
[2025-08-29 09:53:15] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:53:15] [info] Database Format: GDSII
[2025-08-29 09:53:15] [info] Verification Mode: Full Check

[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Type of Errors | Count
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] DB_WARN -> 1
[2025-08-29 09:53:15] [info] LRF_ERR001 -> 14
[2025-08-29 09:53:15] [info] DB_WARN002 -> 58
[2025-08-29 09:53:15] [info] DB_WARN003 -> 55
[2025-08-29 09:53:15] [info] DENSITY_ERR -> 1005
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Density Rule Violation Summary
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:53:15] [info] |-----|-----|-----|
[2025-08-29 09:53:15] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:53:15] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:53:15] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:53:15] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:53:15] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:53:15] [info]
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Performance Metrics
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] | Stage | Time Taken |
[2025-08-29 09:53:15] [info] |-----|-----|
[2025-08-29 09:53:15] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:53:15] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 09:53:15] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Summary
[2025-08-29 09:53:15] [info] -----
[2025-08-29 09:53:15] [info] Total Errors: 1019
[2025-08-29 09:53:15] [info] Total Warnings: 114
[2025-08-29 09:53:15] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:53:16] [info] =====
[2025-08-29 09:53:16] [info] Density Rule Check Report
[2025-08-29 09:53:16] [info] =====

[2025-08-29 09:53:16] [info] Report Generated: 2025-08-29
[2025-08-29 09:53:16] [info] Run Start Time: 09:53:16 AM
[2025-08-29 09:53:16] [info] Run End Time: 09:53:16 AM
[2025-08-29 09:53:16] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 09:53:16] [info] Tool Version: LVR_2025.1
[2025-08-29 09:53:16] [info] Host Name: kuro-Workstation
[2025-08-29 09:53:16] [info] User Name: kuro
[2025-08-29 09:53:16] [info] Cores Used: 1
[2025-08-29 09:53:16] [info] Memory Utilized: 51.71 MB / 62.569698333740234 GB

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Top Cell Information
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Layout Top Cell: gcd2_sky130hd
[2025-08-29 09:53:16] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:53:16] [info] Database Format: GDSII
[2025-08-29 09:53:16] [info] Verification Mode: Full Check

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Type of Errors | Count
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] DB_WARN -> 1
[2025-08-29 09:53:16] [info] LRF_ERR001 -> 14
[2025-08-29 09:53:16] [info] DB_WARN002 -> 59
[2025-08-29 09:53:16] [info] DB_WARN003 -> 56
[2025-08-29 09:53:16] [info] DENSITY_ERR -> 1005
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Density Rule Violation Summary
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:53:16] [info] |-----|-----|-----|
[2025-08-29 09:53:16] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:53:16] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:53:16] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:53:16] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:53:16] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:53:16] [info]
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Performance Metrics
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] | Stage | Time Taken |
[2025-08-29 09:53:16] [info] |-----|-----|
[2025-08-29 09:53:16] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:53:16] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 09:53:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Summary
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Total Errors: 1019
[2025-08-29 09:53:16] [info] Total Warnings: 116
[2025-08-29 09:53:16] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:53:16] [info] =====
[2025-08-29 09:53:16] [info] Density Rule Check Report
[2025-08-29 09:53:16] [info] =====

[2025-08-29 09:53:16] [info] Report Generated: 2025-08-29
[2025-08-29 09:53:16] [info] Run Start Time: 09:53:16 AM
[2025-08-29 09:53:16] [info] Run End Time: 09:53:16 AM
[2025-08-29 09:53:16] [info] Time Taken: 0 minutes 0 seconds

[2025-08-29 09:53:16] [info] Tool Version: LVR_2025.1
[2025-08-29 09:53:16] [info] Host Name: kuro-Workstation
[2025-08-29 09:53:16] [info] User Name: kuro
[2025-08-29 09:53:16] [info] Cores Used: 1
[2025-08-29 09:53:16] [info] Memory Utilized: 41.18 MB / 62.569698333740234 GB

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Top Cell Information
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Layout Top Cell: gcd3_sky130hd
[2025-08-29 09:53:16] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:53:16] [info] Database Format: GDSII
[2025-08-29 09:53:16] [info] Verification Mode: Full Check

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Type of Errors | Count
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] DB_WARN -> 1
[2025-08-29 09:53:16] [info] LRF_ERR001 -> 14
[2025-08-29 09:53:16] [info] DB_WARN002 -> 59
[2025-08-29 09:53:16] [info] DB_WARN003 -> 56
[2025-08-29 09:53:16] [info] DENSITY_ERR -> 1005
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Density Rule Violation Summary
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:53:16] [info] |-----|-----|-----|
[2025-08-29 09:53:16] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:53:16] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:53:16] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:53:16] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:53:16] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:53:16] [info]
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Performance Metrics
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] | Stage | Time Taken |
[2025-08-29 09:53:16] [info] |-----|-----|
[2025-08-29 09:53:16] [info] | GDS Parsing | 0 minutes 0 seconds |
[2025-08-29 09:53:16] [info] | Rule Checking | 0 minutes 0 seconds |
[2025-08-29 09:53:16] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Summary
[2025-08-29 09:53:16] [info] -----
[2025-08-29 09:53:16] [info] Total Errors: 1019
[2025-08-29 09:53:16] [info] Total Warnings: 116
[2025-08-29 09:53:16] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:54:41] [info] =====
[2025-08-29 09:54:41] [info] Density Rule Check Report
[2025-08-29 09:54:41] [info] =====

[2025-08-29 09:54:41] [info] Report Generated: 2025-08-29
[2025-08-29 09:54:41] [info] Run Start Time: 09:54:29 AM
[2025-08-29 09:54:41] [info] Run End Time: 09:54:41 AM
[2025-08-29 09:54:41] [info] Time Taken: 0 minutes 18 seconds

[2025-08-29 09:54:41] [info] Tool Version: LVR_2025.1
[2025-08-29 09:54:41] [info] Host Name: kuro-Workstation
[2025-08-29 09:54:41] [info] User Name: kuro
[2025-08-29 09:54:41] [info] Cores Used: 1
[2025-08-29 09:54:41] [info] Memory Utilized: 3200.73 MB / 62.569698333740234 GB

[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Top Cell Information
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Layout Top Cell: ibex_core1_sky130hd
[2025-08-29 09:54:41] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:54:41] [info] Database Format: GDSII
[2025-08-29 09:54:41] [info] Verification Mode: Full Check

[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Type of Errors | Count
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] DB_WARN -> 1
[2025-08-29 09:54:41] [info] LRF_ERR001 -> 14
[2025-08-29 09:54:41] [info] DB_WARN002 -> 251
[2025-08-29 09:54:41] [info] DB_WARN003 -> 251
[2025-08-29 09:54:41] [info] DENSITY_ERR -> 1005
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Density Rule Violation Summary
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:54:41] [info] |-----|-----|-----|
[2025-08-29 09:54:41] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:54:41] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:54:41] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:54:41] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:54:41] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:54:41] [info]
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Performance Metrics
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] | Stage | Time Taken |
[2025-08-29 09:54:41] [info] |-----|-----|
[2025-08-29 09:54:41] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 09:54:41] [info] | Rule Checking | 0 minutes 11 seconds |
[2025-08-29 09:54:41] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Summary
[2025-08-29 09:54:41] [info] -----
[2025-08-29 09:54:41] [info] Total Errors: 1019
[2025-08-29 09:54:41] [info] Total Warnings: 503
[2025-08-29 09:54:41] [info] DENSITY Status: FAILED

```



```

[2025-08-29 09:55:00] [info] =====
[2025-08-29 09:55:00] [info] Density Rule Check Report
[2025-08-29 09:55:00] [info] =====

[2025-08-29 09:55:00] [info] Report Generated: 2025-08-29
[2025-08-29 09:55:00] [info] Run Start Time: 09:54:48 AM
[2025-08-29 09:55:00] [info] Run End Time: 09:55:00 AM
[2025-08-29 09:55:00] [info] Time Taken: 0 minutes 18 seconds

[2025-08-29 09:55:00] [info] Tool Version: LVR_2025.1
[2025-08-29 09:55:00] [info] Host Name: kuro-Workstation
[2025-08-29 09:55:00] [info] User Name: kuro
[2025-08-29 09:55:00] [info] Cores Used: 1
[2025-08-29 09:55:00] [info] Memory Utilized: 3244.11 MB / 62.569698333740234 GB

[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Top Cell Information
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Layout Top Cell: ibex_core2_sky130hd
[2025-08-29 09:55:00] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:55:00] [info] Database Format: GDSII
[2025-08-29 09:55:00] [info] Verification Mode: Full Check

[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Type of Errors | Count
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] DB_WARN -> 1
[2025-08-29 09:55:00] [info] LRF_ERR001 -> 14
[2025-08-29 09:55:00] [info] DB_WARN002 -> 249
[2025-08-29 09:55:00] [info] DB_WARN003 -> 249
[2025-08-29 09:55:00] [info] DENSITY_ERR -> 1005
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Density Rule Violation Summary
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:55:00] [info] |-----|-----|-----|
[2025-08-29 09:55:00] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:55:00] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:55:00] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:55:00] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:55:00] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:55:00] [info]
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Performance Metrics
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] | Stage | Time Taken |
[2025-08-29 09:55:00] [info] |-----|-----|
[2025-08-29 09:55:00] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 09:55:00] [info] | Rule Checking | 0 minutes 12 seconds |
[2025-08-29 09:55:00] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Summary
[2025-08-29 09:55:00] [info] -----
[2025-08-29 09:55:00] [info] Total Errors: 1019
[2025-08-29 09:55:00] [info] Total Warnings: 499
[2025-08-29 09:55:00] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:55:20] [info] =====
[2025-08-29 09:55:20] [info] Density Rule Check Report
[2025-08-29 09:55:20] [info] =====

[2025-08-29 09:55:20] [info] Report Generated: 2025-08-29
[2025-08-29 09:55:20] [info] Run Start Time: 09:55:07 AM
[2025-08-29 09:55:20] [info] Run End Time: 09:55:20 AM
[2025-08-29 09:55:20] [info] Time Taken: 0 minutes 18 seconds

[2025-08-29 09:55:20] [info] Tool Version: LVR_2025.1
[2025-08-29 09:55:20] [info] Host Name: kuro-Workstation
[2025-08-29 09:55:20] [info] User Name: kuro
[2025-08-29 09:55:20] [info] Cores Used: 1
[2025-08-29 09:55:20] [info] Memory Utilized: 3152.42 MB / 62.569698333740234 GB

[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Top Cell Information
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Layout Top Cell: ibex_core3_sky130hd
[2025-08-29 09:55:20] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:55:20] [info] Database Format: GDSII
[2025-08-29 09:55:20] [info] Verification Mode: Full Check

[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Type of Errors | Count
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] DB_WARN -> 1
[2025-08-29 09:55:20] [info] LRF_ERR001 -> 14
[2025-08-29 09:55:20] [info] DB_WARN002 -> 253
[2025-08-29 09:55:20] [info] DB_WARN003 -> 251
[2025-08-29 09:55:20] [info] DENSITY_ERR -> 1005
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Density Rule Violation Summary
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:55:20] [info] |-----|-----|-----|
[2025-08-29 09:55:20] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:55:20] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:55:20] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:55:20] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:55:20] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:55:20] [info]
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Performance Metrics
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] | Stage | Time Taken |
[2025-08-29 09:55:20] [info] |-----|-----|
[2025-08-29 09:55:20] [info] | GDS Parsing | 0 minutes 6 seconds |
[2025-08-29 09:55:20] [info] | Rule Checking | 0 minutes 12 seconds |
[2025-08-29 09:55:20] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Summary
[2025-08-29 09:55:20] [info] -----
[2025-08-29 09:55:20] [info] Total Errors: 1019
[2025-08-29 09:55:20] [info] Total Warnings: 505
[2025-08-29 09:55:20] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:56:12] [info] =====
[2025-08-29 09:56:12] [info] Density Rule Check Report
[2025-08-29 09:56:12] [info] =====

[2025-08-29 09:56:12] [info] Report Generated: 2025-08-29
[2025-08-29 09:56:12] [info] Run Start Time: 09:55:37 AM
[2025-08-29 09:56:12] [info] Run End Time: 09:56:12 AM
[2025-08-29 09:56:12] [info] Time Taken: 0 minutes 51 seconds

[2025-08-29 09:56:12] [info] Tool Version: LVR_2025.1
[2025-08-29 09:56:12] [info] Host Name: kuro-Workstation
[2025-08-29 09:56:12] [info] User Name: kuro
[2025-08-29 09:56:12] [info] Cores Used: 1
[2025-08-29 09:56:12] [info] Memory Utilized: 8300.30 MB / 62.569698333740234 GB

[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Top Cell Information
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Layout Top Cell: jpeg_encoder1_sky130hd
[2025-08-29 09:56:12] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:56:12] [info] Database Format: GDSII
[2025-08-29 09:56:12] [info] Verification Mode: Full Check

[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Type of Errors | Count
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] DB_WARN -> 1
[2025-08-29 09:56:12] [info] LRF_ERR001 -> 14
[2025-08-29 09:56:12] [info] DB_WARN002 -> 159
[2025-08-29 09:56:12] [info] DB_WARN003 -> 161
[2025-08-29 09:56:12] [info] DENSITY_ERR -> 1005
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Density Rule Violation Summary
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:56:12] [info] |-----|-----|-----|
[2025-08-29 09:56:12] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:56:12] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:56:12] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:56:12] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:56:12] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:56:12] [info]
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Performance Metrics
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] | Stage | Time Taken |
[2025-08-29 09:56:12] [info] |-----|-----|
[2025-08-29 09:56:12] [info] | GDS Parsing | 0 minutes 16 seconds |
[2025-08-29 09:56:12] [info] | Rule Checking | 0 minutes 33 seconds |
[2025-08-29 09:56:12] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Summary
[2025-08-29 09:56:12] [info] -----
[2025-08-29 09:56:12] [info] Total Errors: 1019
[2025-08-29 09:56:12] [info] Total Warnings: 321
[2025-08-29 09:56:12] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:57:13] [info] =====
[2025-08-29 09:57:13] [info] Density Rule Check Report
[2025-08-29 09:57:13] [info] =====

[2025-08-29 09:57:13] [info] Report Generated: 2025-08-29
[2025-08-29 09:57:13] [info] Run Start Time: 09:56:33 AM
[2025-08-29 09:57:13] [info] Run End Time: 09:57:12 AM
[2025-08-29 09:57:13] [info] Time Taken: 0 minutes 58 seconds

[2025-08-29 09:57:13] [info] Tool Version: LVR_2025.1
[2025-08-29 09:57:13] [info] Host Name: kuro-Workstation
[2025-08-29 09:57:13] [info] User Name: kuro
[2025-08-29 09:57:13] [info] Cores Used: 1
[2025-08-29 09:57:13] [info] Memory Utilized: 9864.41 MB / 62.569698333740234 GB

[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Top Cell Information
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Layout Top Cell: jpeg_encoder2_sky130hd
[2025-08-29 09:57:13] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:57:13] [info] Database Format: GDSII
[2025-08-29 09:57:13] [info] Verification Mode: Full Check

[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Type of Errors | Count
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] DB_WARN -> 1
[2025-08-29 09:57:13] [info] LRF_ERR001 -> 14
[2025-08-29 09:57:13] [info] DB_WARN002 -> 157
[2025-08-29 09:57:13] [info] DB_WARN003 -> 159
[2025-08-29 09:57:13] [info] DENSITY_ERR -> 1005
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Density Rule Violation Summary
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:57:13] [info] |-----|-----|-----|
[2025-08-29 09:57:13] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:57:13] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:57:13] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:57:13] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:57:13] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:57:13] [info]
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Performance Metrics
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] | Stage | Time Taken |
[2025-08-29 09:57:13] [info] |-----|-----|
[2025-08-29 09:57:13] [info] | GDS Parsing | 0 minutes 18 seconds |
[2025-08-29 09:57:13] [info] | Rule Checking | 0 minutes 38 seconds |
[2025-08-29 09:57:13] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Summary
[2025-08-29 09:57:13] [info] -----
[2025-08-29 09:57:13] [info] Total Errors: 1019
[2025-08-29 09:57:13] [info] Total Warnings: 317
[2025-08-29 09:57:13] [info] DENSITY Status: FAILED

```

```

[2025-08-29 09:58:00] [info] =====
[2025-08-29 09:58:00] [info] Density Rule Check Report
[2025-08-29 09:58:00] [info] =====

[2025-08-29 09:58:00] [info] Report Generated: 2025-08-29
[2025-08-29 09:58:00] [info] Run Start Time: 09:57:30 AM
[2025-08-29 09:58:00] [info] Run End Time: 09:58:00 AM
[2025-08-29 09:58:00] [info] Time Taken: 0 minutes 44 seconds

[2025-08-29 09:58:00] [info] Tool Version: LVR_2025.1
[2025-08-29 09:58:00] [info] Host Name: kuro-Workstation
[2025-08-29 09:58:00] [info] User Name: kuro
[2025-08-29 09:58:00] [info] Cores Used: 1
[2025-08-29 09:58:00] [info] Memory Utilized: 7236.33 MB / 62.569698333740234 GB

[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Top Cell Information
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Layout Top Cell: jpeg_encoder3_sky130hd
[2025-08-29 09:58:00] [info] Technology Node: SKY130HD (130nm)
[2025-08-29 09:58:00] [info] Database Format: GDSII
[2025-08-29 09:58:00] [info] Verification Mode: Full Check

[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Type of Errors | Count
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] DB_WARN -> 1
[2025-08-29 09:58:00] [info] LRF_ERR001 -> 14
[2025-08-29 09:58:00] [info] DB_WARN002 -> 152
[2025-08-29 09:58:00] [info] DB_WARN003 -> 155
[2025-08-29 09:58:00] [info] DENSITY_ERR -> 1005
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Density Rule Violation Summary
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] | Rule ID | Description | Error Count |
[2025-08-29 09:58:00] [info] |-----|-----|-----|
[2025-08-29 09:58:00] [info] | ydir_fail | "Ydir Fail" | 1 |
[2025-08-29 09:58:00] [info] | xdir_fail | "Xdir fail" | 1 |
[2025-08-29 09:58:00] [info] | out_of_range | "Out of Range" | 1 |
[2025-08-29 09:58:00] [info] | max_fail | "Max Fail" | 1 |
[2025-08-29 09:58:00] [info] | min_fail | "Min Fail" | 1001 |
[2025-08-29 09:58:00] [info]
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Performance Metrics
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] | Stage | Time Taken |
[2025-08-29 09:58:00] [info] |-----|-----|
[2025-08-29 09:58:00] [info] | GDS Parsing | 0 minutes 14 seconds |
[2025-08-29 09:58:00] [info] | Rule Checking | 0 minutes 29 seconds |
[2025-08-29 09:58:00] [info] | Report Generation | 0 minutes 0 seconds |

[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Summary
[2025-08-29 09:58:00] [info] -----
[2025-08-29 09:58:00] [info] Total Errors: 1019
[2025-08-29 09:58:00] [info] Total Warnings: 308
[2025-08-29 09:58:00] [info] DENSITY Status: FAILED

```

1.7 Macro LVS Regression Summary Reports

Sky130 Standard Cell (with IO) Verification Results

Standard Cell	Result
sky130_fd_sc_hd__a211o_1	Fail
sky130_fd_sc_hd__a21boi_1	Pass
sky130_fd_sc_hd__a221o_4	Fail
sky130_fd_sc_hd__a222oi_1	Fail
sky130_fd_sc_hd__a22o_1	Pass
sky130_fd_sc_hd__a2bb2o_1	Fail
sky130_fd_sc_hd__a2bb2o_2	Fail
sky130_fd_sc_hd__a2bb2o_4	Pass
sky130_fd_sc_hd__a311oi_1	Fail
sky130_fd_sc_hd__a32oi_1	Fail
sky130_fd_sc_hd__a32oi_4	Fail
sky130_fd_sc_hd__a41o_1	Fail
sky130_fd_sc_hd__a41oi_1	Fail
sky130_fd_sc_hd__a41oi_2	Fail
sky130_fd_sc_hd__a41oi_4	Fail
sky130_fd_sc_hd__and2_1	Pass
sky130_fd_sc_hd__and2_2	Pass
sky130_fd_sc_hd__and2b_1	Pass
sky130_fd_sc_hd__and3_1	Pass
sky130_fd_sc_hd__and3_2	Pass
sky130_fd_sc_hd__and3b_1	Pass
sky130_fd_sc_hd__and3b_2	Pass
sky130_fd_sc_hd__and4_1	Fail
sky130_fd_sc_hd__and4b_1	Fail
sky130_fd_sc_hd__and4b_2	Fail

sky130_fd_sc_hd__and4bb_2	Fail
sky130_fd_sc_hd__buf_12	Pass
sky130_fd_sc_hd__buf_1	Pass
sky130_fd_sc_hd__buf_2	Pass
sky130_fd_sc_hd__buf_4	Pass
sky130_fd_sc_hd__buf_6	Pass
sky130_fd_sc_hd__clkbuf_16	Pass
sky130_fd_sc_hd__clkbuf_1	Pass
sky130_fd_sc_hd__clkbuf_2	Pass
sky130_fd_sc_hd__clkdybuf4s15_1	Pass
sky130_fd_sc_hd__clkinv_16	Pass
sky130_fd_sc_hd__dfbbn_1	Fail
sky130_fd_sc_hd__dfbbn_2	Fail
sky130_fd_sc_hd__dfbbp_1	Fail
sky130_fd_sc_hd__dfrbp_1	Fail
sky130_fd_sc_hd__dfrbp_2	Fail
sky130_fd_sc_hd__dfrtp_2	Fail
sky130_fd_sc_hd__dfrtp_4	Fail
sky130_fd_sc_hd__dfsbp_1	Fail
sky130_fd_sc_hd__dfsbp_2	Fail
sky130_fd_sc_hd__dfstp_1	Fail
sky130_fd_sc_hd__dfstp_2	Fail
sky130_fd_sc_hd__dfstp_4	Fail
sky130_fd_sc_hd__dfxbp_1	Fail
sky130_fd_sc_hd__dfxbp_2	Fail
sky130_fd_sc_hd__dfxtp_1	Pass
sky130_fd_sc_hd__dfxtp_2	Pass
sky130_fd_sc_hd__dlclkp_4	Fail
sky130_fd_sc_hd__dlrbn_1	Fail
sky130_fd_sc_hd__dlrbn_2	Fail

sky130_fd_sc_hd__dlrbp_2	Fail
sky130_fd_sc_hd__dlrtn_1	Fail
sky130_fd_sc_hd__dlrtn_2	Fail
sky130_fd_sc_hd__dlrtn_4	Fail
sky130_fd_sc_hd__dlrtp_1	Fail
sky130_fd_sc_hd__dlrtp_2	Fail
sky130_fd_sc_hd__dlrtp_4	Fail
sky130_fd_sc_hd__dlxbn_1	Fail
sky130_fd_sc_hd__dlxbp_1	Fail
sky130_fd_sc_hd__dlxtn_1	Pass
sky130_fd_sc_hd__dlygate4sd1_1	Pass
sky130_fd_sc_hd__dlygate4sd2_1	Pass
sky130_fd_sc_hd__dlygate4sd3_1	Pass
sky130_fd_sc_hd__ebufn_4	Pass
sky130_fd_sc_hd__ebufn_8	Fail
sky130_fd_sc_hd__edfxbp_1	Fail
sky130_fd_sc_hd__edfxtp_1	Fail
sky130_fd_sc_hd__einvn_1	Pass
sky130_fd_sc_hd__einvn_2	Pass
sky130_fd_sc_hd__fahcin_1	Pass
sky130_fd_sc_hd__fill_1	Pass
sky130_fd_sc_hd__fill_2	Pass
sky130_fd_sc_hd__fill_4	Pass
sky130_fd_sc_hd__fill_8	Pass
sky130_fd_sc_hd__ha_2	Fail
sky130_fd_sc_hd__ha_4	Fail
sky130_fd_sc_hd__inv_12	Pass
sky130_fd_sc_hd__inv_1	Pass
sky130_fd_sc_hd__inv_6	Pass
sky130_fd_sc_hd__lpflow_bleeder_1	Pass

sky130_fd_sc_hd__lpflow_clkbufkapwr_16	Pass
sky130_fd_sc_hd__lpflow_clkbufkapwr_1	Pass
sky130_fd_sc_hd__lpflow_clkbufkapwr_2	Pass
sky130_fd_sc_hd__lpflow_clkinvkapwr_16	Pass
sky130_fd_sc_hd__lpflow_inputiso0n_1	Pass
sky130_fd_sc_hd__lpflow_inputiso0p_1	Pass
sky130_fd_sc_hd__lpflow_inputisolatch_1	Pass
sky130_fd_sc_hd__lpflow_isobufsrc_16	Pass
sky130_fd_sc_hd__lpflow_isobufsrc_8	Pass
sky130_fd_sc_hd__lpflow_isobufsrckapwr_16	Fail
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_1	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_2	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_4	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_4	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_1	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_2	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_4	Pass
sky130_fd_sc_hd__mux2_8	Pass
sky130_fd_sc_hd__mux4_2	Fail
sky130_fd_sc_hd__nand3b_2	Pass
sky130_fd_sc_hd__nand4_4	Fail
sky130_fd_sc_hd__nand4b_2	Fail
sky130_fd_sc_hd__nand4bb_2	Fail
sky130_fd_sc_hd__nor4_1	Pass
sky130_fd_sc_hd__o2111ai_4	Fail
sky130_fd_sc_hd__o211a_4	Pass
sky130_fd_sc_hd__o21ba_2	Pass
sky130_fd_sc_hd__o221a_4	Pass
sky130_fd_sc_hd__o22a_1	Pass
sky130_fd_sc_hd__o22a_2	Pass

sky130_fd_sc_hd__o2bb2a_1	Pass
sky130_fd_sc_hd__o2bb2a_4	Pass
sky130_fd_sc_hd__o311a_1	Fail
sky130_fd_sc_hd__o311a_4	Fail
sky130_fd_sc_hd__o311ai_0	Fail
sky130_fd_sc_hd__o311ai_1	Fail
sky130_fd_sc_hd__o311ai_2	Fail
sky130_fd_sc_hd__o31a_1	Fail
sky130_fd_sc_hd__or4b_1	Fail
sky130_fd_sc_hd__or4bb_1	Pass
sky130_fd_sc_hd__probec_p_8	Pass
sky130_fd_sc_hd__probe_p_8	Pass
sky130_fd_sc_hd__sdfbbn_1	Fail
sky130_fd_sc_hd__sdfbbn_2	Fail
sky130_fd_sc_hd__sdfbbp_1	Fail
sky130_fd_sc_hd__sdfrbp_1	Fail
sky130_fd_sc_hd__sdfrbp_2	Fail
sky130_fd_sc_hd__sdfrtn_1	Fail
sky130_fd_sc_hd__sdfrtp_1	Fail
sky130_fd_sc_hd__sdfrtp_2	Fail
sky130_fd_sc_hd__sdfrtp_4	Fail
sky130_fd_sc_hd__sdfsbp_1	Fail
sky130_fd_sc_hd__sdfsbp_2	Fail
sky130_fd_sc_hd__sdfstp_1	Fail
sky130_fd_sc_hd__sdfstp_2	Fail
sky130_fd_sc_hd__sdfstp_4	Fail
sky130_fd_sc_hd__sdclclkp_1	Fail
sky130_fd_sc_hd__sdclclkp_2	Fail
sky130_fd_sc_hd__sedfxbp_1	Fail
sky130_fd_sc_hd__sedfxbp_2	Fail

sky130_fd_sc_hd__sedfxtp_1	Fail
sky130_fd_sc_hd__sedfxtp_2	Fail
sky130_fd_sc_hd__sedfxtp_4	Fail
sky130_fd_sc_hd__tap_1	Pass
sky130_fd_sc_hd__tapvgnd2_1	Pass
sky130_fd_sc_hd__tapvpwrvgnd_1	Pass
sky130_fd_sc_hd__xnor2_1	Pass
sky130_fd_sc_hd__xnor2_2	Pass
sky130_fd_sc_hd__xnor3_2	Pass
sky130_fd_sc_hd__xnor3_4	Pass
sky130_fd_sc_hd__xor2_2	Pass
sky130_fd_sc_hd__xor3_2	Pass
sky130_fd_sc_hd__xor3_4	Pass

Summary

- Total Cells: 159
- Pass: 70
- Fail: 89
- Pass Percentage: 44.0%
- Fail Percentage: 56.0%

Sky130 Standard Cell (without IO) Verification Results

Standard Cell	Result
sky130_fd_sc_hd__a2111o_1	Pass
sky130_fd_sc_hd__a211o_1	Pass
sky130_fd_sc_hd__a21boi_1	Pass

sky130_fd_sc_hd__a221o_4	Pass
sky130_fd_sc_hd__a222oi_1	Pass
sky130_fd_sc_hd__a22o_1	Pass
sky130_fd_sc_hd__a2bb2o_1	Pass
sky130_fd_sc_hd__a2bb2o_2	Pass
sky130_fd_sc_hd__a2bb2o_4	Pass
sky130_fd_sc_hd__a311oi_1	Pass
sky130_fd_sc_hd__a32oi_1	Pass
sky130_fd_sc_hd__a32oi_4	Pass
sky130_fd_sc_hd__a41o_1	Pass
sky130_fd_sc_hd__a41oi_1	Pass
sky130_fd_sc_hd__a41oi_2	Pass
sky130_fd_sc_hd__a41oi_4	Pass
sky130_fd_sc_hd__and2_1	Pass
sky130_fd_sc_hd__and2_2	Pass
sky130_fd_sc_hd__and2b_1	Pass
sky130_fd_sc_hd__and3_1	Pass
sky130_fd_sc_hd__and3_2	Pass
sky130_fd_sc_hd__and3b_1	Pass
sky130_fd_sc_hd__and3b_2	Pass
sky130_fd_sc_hd__and4_1	Pass
sky130_fd_sc_hd__and4b_1	Pass
sky130_fd_sc_hd__and4b_2	Pass
sky130_fd_sc_hd__and4bb_2	Pass
sky130_fd_sc_hd__buf_12	Pass
sky130_fd_sc_hd__buf_1	Pass
sky130_fd_sc_hd__buf_2	Pass
sky130_fd_sc_hd__buf_4	Pass
sky130_fd_sc_hd__buf_6	Pass
sky130_fd_sc_hd__clkbuf_16	Pass

sky130_fd_sc_hd__clkbuf_1	Pass
sky130_fd_sc_hd__clkbuf_2	Pass
sky130_fd_sc_hd__clkdybuf4s15_1	Pass
sky130_fd_sc_hd__clkinv_16	Pass
sky130_fd_sc_hd__dfbbn_1	Pass
sky130_fd_sc_hd__dfbbn_2	Pass
sky130_fd_sc_hd__dfbbp_1	Pass
sky130_fd_sc_hd__dfrbp_1	Pass
sky130_fd_sc_hd__dfrbp_2	Pass
sky130_fd_sc_hd__dfrtp_2	Pass
sky130_fd_sc_hd__dfrtp_4	Pass
sky130_fd_sc_hd__dfsbp_1	Pass
sky130_fd_sc_hd__dfsbp_2	Pass
sky130_fd_sc_hd__dfstp_1	Pass
sky130_fd_sc_hd__dfstp_2	Pass
sky130_fd_sc_hd__dfstp_4	Pass
sky130_fd_sc_hd__dfxbp_1	Pass
sky130_fd_sc_hd__dfxbp_2	Pass
sky130_fd_sc_hd__dfxtp_1	Pass
sky130_fd_sc_hd__dfxtp_2	Pass
sky130_fd_sc_hd__dlclkp_4	Pass
sky130_fd_sc_hd__dlrbn_1	Pass
sky130_fd_sc_hd__dlrbn_2	Pass
sky130_fd_sc_hd__dlrbp_2	Pass
sky130_fd_sc_hd__dlrtn_1	Pass
sky130_fd_sc_hd__dlrtn_2	Pass
sky130_fd_sc_hd__dlrtn_4	Pass
sky130_fd_sc_hd__dlrtp_1	Pass
sky130_fd_sc_hd__dlrtp_2	Pass
sky130_fd_sc_hd__dlrtp_4	Pass

sky130_fd_sc_hd__dlxbn_1	Pass
sky130_fd_sc_hd__dlxbp_1	Pass
sky130_fd_sc_hd__dlxtn_1	Pass
sky130_fd_sc_hd__dlygate4sd1_1	Pass
sky130_fd_sc_hd__dlygate4sd2_1	Pass
sky130_fd_sc_hd__dlygate4sd3_1	Pass
sky130_fd_sc_hd__ebufn_4	Pass
sky130_fd_sc_hd__ebufn_8	Pass
sky130_fd_sc_hd__edfxbp_1	Pass
sky130_fd_sc_hd__edfxtp_1	Pass
sky130_fd_sc_hd__einvn_1	Pass
sky130_fd_sc_hd__einvn_2	Pass
sky130_fd_sc_hd__fahcin_1	Pass
sky130_fd_sc_hd__fill_1	Pass
sky130_fd_sc_hd__fill_2	Pass
sky130_fd_sc_hd__fill_4	Pass
sky130_fd_sc_hd__fill_8	Pass
sky130_fd_sc_hd__ha_2	Fail
sky130_fd_sc_hd__ha_4	Pass
sky130_fd_sc_hd__inv_12	Pass
sky130_fd_sc_hd__inv_1	Pass
sky130_fd_sc_hd__inv_6	Pass
sky130_fd_sc_hd__lpflow_bleeder_1	Pass
sky130_fd_sc_hd__lpflow_clkbufkapwr_16	Pass
sky130_fd_sc_hd__lpflow_clkbufkapwr_1	Pass
sky130_fd_sc_hd__lpflow_clkbufkapwr_2	Pass
sky130_fd_sc_hd__lpflow_clkinvkapwr_16	Pass
sky130_fd_sc_hd__lpflow_inputiso0n_1	Pass
sky130_fd_sc_hd__lpflow_inputiso0p_1	Pass
sky130_fd_sc_hd__lpflow_inputisolatch_1	Pass

sky130_fd_sc_hd__lpflow_isobufsrc_16	Pass
sky130_fd_sc_hd__lpflow_isobufsrc_8	Pass
sky130_fd_sc_hd__lpflow_isobufsrcapwr_16	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_1	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_2	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_hl_isowell_tap_4	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_4	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_1	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_2	Pass
sky130_fd_sc_hd__lpflow_lsbuf_lh_isowell_tap_4	Pass
sky130_fd_sc_hd__mux2_8	Pass
sky130_fd_sc_hd__mux4_2	Pass
sky130_fd_sc_hd__nand3b_2	Pass
sky130_fd_sc_hd__nand4_4	Pass
sky130_fd_sc_hd__nand4b_2	Pass
sky130_fd_sc_hd__nand4bb_2	Pass
sky130_fd_sc_hd__nor4_1	Pass
sky130_fd_sc_hd__o2111ai_4	Pass
sky130_fd_sc_hd__o211a_4	Pass
sky130_fd_sc_hd__o21ba_2	Pass
sky130_fd_sc_hd__o221a_4	Pass
sky130_fd_sc_hd__o22a_1	Pass
sky130_fd_sc_hd__o22a_2	Pass
sky130_fd_sc_hd__o2bb2a_1	Pass
sky130_fd_sc_hd__o2bb2a_4	Pass
sky130_fd_sc_hd__o311a_1	Pass
sky130_fd_sc_hd__o311a_4	Pass
sky130_fd_sc_hd__o311ai_0	Pass
sky130_fd_sc_hd__o311ai_1	Pass
sky130_fd_sc_hd__o311ai_2	Pass

sky130_fd_sc_hd__o31a_1	Pass
sky130_fd_sc_hd__or4b_1	Pass
sky130_fd_sc_hd__or4bb_1	Pass
sky130_fd_sc_hd__probec_p_8	Pass
sky130_fd_sc_hd__probe_p_8	Pass
sky130_fd_sc_hd__sdfbbn_1	Fail
sky130_fd_sc_hd__sdfbbn_2	Fail
sky130_fd_sc_hd__sdfbbp_1	Fail
sky130_fd_sc_hd__sdfrbp_1	Pass
sky130_fd_sc_hd__sdfrbp_2	Pass
sky130_fd_sc_hd__sdfrtn_1	Pass
sky130_fd_sc_hd__sdfrtp_1	Pass
sky130_fd_sc_hd__sdfrtp_2	Pass
sky130_fd_sc_hd__sdfrtp_4	Pass
sky130_fd_sc_hd__sdfsbp_1	Fail
sky130_fd_sc_hd__sdfsbp_2	Fail
sky130_fd_sc_hd__sdfstp_1	Pass
sky130_fd_sc_hd__sdfstp_2	Pass
sky130_fd_sc_hd__sdfstp_4	Pass
sky130_fd_sc_hd__sdlclkp_1	Pass
sky130_fd_sc_hd__sdlclkp_2	Pass
sky130_fd_sc_hd__sedfxbp_1	Pass
sky130_fd_sc_hd__sedfxbp_2	Pass
sky130_fd_sc_hd__sedfxtp_1	Pass
sky130_fd_sc_hd__sedfxtp_2	Pass
sky130_fd_sc_hd__sedfxtp_4	Pass
sky130_fd_sc_hd__tap_1	Pass
sky130_fd_sc_hd__tapvgnd2_1	Pass
sky130_fd_sc_hd__tapvpwrvgnd_1	Pass
sky130_fd_sc_hd__xnor2_1	Pass

sky130_fd_sc_hd__xnor2_2	Pass
sky130_fd_sc_hd__xnor3_2	Pass
sky130_fd_sc_hd__xnor3_4	Pass
sky130_fd_sc_hd__xor2_2	Pass
sky130_fd_sc_hd__xor3_2	Pass
sky130_fd_sc_hd__xor3_4	Pass

Summary

- Total Cells: 148
- Pass: 142
- Fail: 6
- Pass Percentage: 95.9%
- Fail Percentage: 4.1%

Ng45 Standard Cell (with IO) Verification Results

Standard Cell	Result
AND2_X1	Pass
AND2_X2	Pass
AND2_X4	Pass
AND3_X1	Pass
AND3_X2	Pass
AND3_X4	Pass
AND4_X1	Pass
AND4_X2	Pass
AND4_X4	Pass
ANTENNA_X1	Pass

AOI211_X1	Pass
AOI211_X2	Pass
AOI211_X4	Pass
AOI21_X1	Pass
AOI21_X2	Pass
AOI21_X4	Pass
AOI221_X1	Pass
AOI221_X2	Pass
AOI221_X4	Pass
AOI222_X1	Pass
AOI222_X2	Pass
AOI222_X4	Pass
AOI22_X1	Pass
AOI22_X2	Pass
AOI22_X4	Pass
BUF_X1	Pass
BUF_X16	Pass
BUF_X2	Pass
BUF_X32	Pass
BUF_X4	Pass
BUF_X8	Pass
CLKBUF_X1	Pass
CLKBUF_X2	Pass
CLKBUF_X3	Pass
CLKGATETST_X1	Pass
CLKGATETST_X2	Fail
CLKGATETST_X4	Fail
CLKGATETST_X8	Fail
CLKGATE_X1	Pass
CLKGATE_X2	Pass

CLKGATE_X4	Pass
CLKGATE_X8	Pass
DFFRS_X1	Fail
DFFRS_X2	Fail
DFFR_X1	Fail
DFFR_X2	Fail
DFFS_X1	Fail
DFFS_X2	Fail
DFF_X1	Fail
DFF_X2	Fail
DLH_X1	Pass
DLH_X2	Pass
DLL_X1	Pass
DLL_X2	Pass
FA_X1	Fail
FILLCELL_X1	Pass
TAPCELL_X1	Pass
FILLCELL_X16	Pass
FILLCELL_X2	Pass
FILLCELL_X32	Pass
FILLCELL_X4	Pass
FILLCELL_X8	Pass
HA_X1	Fail
INV_X1	Pass
INV_X16	Pass
INV_X2	Pass
INV_X32	Pass
INV_X4	Pass
INV_X8	Pass
LOGIC0_X1	Pass

LOGIC1_X1	Pass
MUX2_X1	Pass
MUX2_X2	Pass
NAND2_X1	Pass
NAND2_X2	Pass
NAND2_X4	Pass
NAND3_X1	Pass
NAND3_X2	Pass
NAND3_X4	Pass
NAND4_X1	Pass
NAND4_X2	Pass
NAND4_X4	Pass
NOR2_X1	Pass
NOR2_X2	Pass
NOR2_X4	Pass
NOR3_X1	Pass
NOR3_X2	Pass
NOR3_X4	Pass
NOR4_X1	Pass
NOR4_X2	Pass
NOR4_X4	Pass
OAI211_X1	Pass
OAI211_X2	Pass
OAI211_X4	Pass
OAI21_X1	Pass
OAI21_X2	Pass
OAI21_X4	Pass
OAI221_X1	Pass
OAI221_X2	Pass
OAI221_X4	Pass

OAI222_X1	Pass
OAI222_X2	Pass
OAI222_X4	Pass
OAI22_X1	Pass
OAI22_X2	Pass
OAI22_X4	Pass
OAI33_X1	Pass
OR2_X1	Pass
OR2_X2	Pass
OR2_X4	Pass
OR3_X1	Pass
OR3_X2	Pass
OR3_X4	Pass
OR4_X1	Pass
OR4_X2	Pass
OR4_X4	Pass
SDFFRS_X1	Fail
SDFFRS_X2	Fail
SDFFR_X1	Fail
SDFFR_X2	Fail
SDFFS_X1	Fail
SDFFS_X2	Fail
SDFF_X1	Fail
SDFF_X2	Fail
TBUF_X1	Pass
TBUF_X16	Pass
TBUF_X2	Pass
TBUF_X4	Pass
TBUF_X8	Pass
TINV_X1	Pass

TLAT_X1	Pass
XNOR2_X1	Pass
XNOR2_X2	Pass
XOR2_X1	Pass
XOR2_X2	Pass

Summary

- Total Cells: 154
- Pass: 136
- Fail: 18
- Pass Percentage: 88.3%
- Fail Percentage: 11.7%

Ng45 Standard Cell (without IO) Verification Results

Standard Cell	Result
AND2_X1	Pass
AND2_X2	Pass
AND2_X4	Pass
AND3_X1	Pass
AND3_X2	Pass
AND3_X4	Pass
AND4_X1	Pass
AND4_X2	Pass
AND4_X4	Pass
ANTENNA_X1	Pass
AOI211_X1	Pass

AOI211_X2	Pass
AOI211_X4	Pass
AOI21_X1	Pass
AOI21_X2	Pass
AOI21_X4	Pass
AOI221_X1	Pass
AOI221_X2	Pass
AOI221_X4	Pass
AOI222_X1	Pass
AOI222_X2	Pass
AOI222_X4	Pass
AOI22_X1	Pass
AOI22_X2	Pass
AOI22_X4	Pass
BUF_X1	Pass
BUF_X16	Pass
BUF_X2	Pass
BUF_X32	Pass
BUF_X4	Pass
BUF_X8	Pass
CLKBUF_X1	Pass
CLKBUF_X2	Pass
CLKBUF_X3	Pass
CLKGATETST_X1	Pass
CLKGATETST_X2	Fail
CLKGATETST_X4	Fail
CLKGATETST_X8	Fail
CLKGATE_X1	Pass
CLKGATE_X2	Pass
CLKGATE_X4	Fail

CLKGATE_X8	Fail
DFFRS_X1	Pass
DFFRS_X2	Pass
DFFR_X1	Fail
DFFR_X2	Fail
DFFS_X1	Fail
DFFS_X2	Fail
DFF_X1	Pass
DFF_X2	Pass
DLH_X1	Pass
DLH_X2	Pass
DLL_X1	Pass
DLL_X2	Pass
FA_X1	Pass
FILLCELL_X1	Pass
TAPCELL_X1	Pass
FILLCELL_X16	Pass
FILLCELL_X2	Pass
FILLCELL_X32	Pass
FILLCELL_X4	Pass
FILLCELL_X8	Pass
HA_X1	Pass
INV_X1	Pass
INV_X16	Pass
INV_X2	Pass
INV_X32	Pass
INV_X4	Pass
INV_X8	Pass
LOGIC0_X1	Pass
LOGIC1_X1	Pass

MUX2_X1	Pass
MUX2_X2	Pass
NAND2_X1	Pass
NAND2_X2	Pass
NAND2_X4	Pass
NAND3_X1	Pass
NAND3_X2	Pass
NAND3_X4	Pass
NAND4_X1	Pass
NAND4_X2	Pass
NAND4_X4	Pass
NOR2_X1	Pass
NOR2_X2	Pass
NOR2_X4	Pass
NOR3_X1	Pass
NOR3_X2	Pass
NOR3_X4	Pass
NOR4_X1	Pass
NOR4_X2	Pass
NOR4_X4	Pass
OAI211_X1	Pass
OAI211_X2	Pass
OAI211_X4	Pass
OAI21_X1	Pass
OAI21_X2	Pass
OAI21_X4	Pass
OAI221_X1	Pass
OAI221_X2	Pass
OAI221_X4	Pass
OAI222_X1	Pass

OAI222_X2	Pass
OAI222_X4	Pass
OAI22_X1	Pass
OAI22_X2	Pass
OAI22_X4	Pass
OAI33_X1	Pass
OR2_X1	Pass
OR2_X2	Pass
OR2_X4	Pass
OR3_X1	Pass
OR3_X2	Pass
OR3_X4	Pass
OR4_X1	Pass
OR4_X2	Pass
OR4_X4	Pass
SDFFRS_X1	Fail
SDFFRS_X2	Fail
SDFFR_X1	Pass
SDFFR_X2	Pass
SDFFS_X1	Fail
SDFFS_X2	Fail
SDFF_X1	Pass
SDFF_X2	Pass
TBUF_X1	Pass
TBUF_X16	Pass
TBUF_X2	Pass
TBUF_X4	Pass
TBUF_X8	Pass
TINV_X1	Pass
TLAT_X1	Pass

XNOR2_X1	Pass
XNOR2_X2	Pass
XOR2_X1	Pass
XOR2_X2	Pass

Summary

- Total Cells: 154
- Pass: 142
- Fail: 12
- Pass Percentage: 92.2%
- Fail Percentage: 7.8%