

Keysight Test Report

**PASS**

|  |  |
| --- | --- |
| Report Header: | Keysight Inc. |
| Report Date: | 2025/04/23 10:42:25 |
| Type: | Framed |

# SUMMARY

|  |  |
| --- | --- |
| IxOS Version | 10.00.1000.17 |
| Test Start Time | 2025/04/23 10:38:34 |
| Test End Time | 2025/04/23 10:42:25 |
| Test Duration | 00:01:00 |
| Pass/Fail Verdict | PASS |
| Module Type | 1,1,3 - PassiveCopper 1,1,4 - PassiveCopper |
| Module Version | 1,1,3 - CMIS 5.0 1,1,4 - CMIS 5.0 |
| Serial Number | 1,1,3 - 57ADUAD233140Z 1,1,4 - 57ADUAD233140Z |

# Transceiver DOM (Digital Optical Monitoring) - 128

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1,1,3** |  |  |  |  |  |  |  |  |  |  |
| **Manufactuer** | TE Connectivity | **Model** | 2369405-2 | **Mfg Revision** | 11 |  |  |  |  |  |
| **Type** | PassiveCopper | **SN** | 57ADUAD233140Z | **Firmware Revision** |  |  |  |  |  |  |
| **MSA** | CMIS 5.0 | **Date Code(YYMMDDLL)** | 230904 | **Hardware Revision** |  |  |  |  |  |  |
| **Media Tech** | Copper cable unequalized | **Media Connector** | No separable connector |  |  |  |  |  |  |  |
| **Cable Lenth** | 1.0 m | **Identifier Type** | OSFP |  |  |  |  |  |  |  |
| **Reported Power Class** | 1 | **Reported Max Power** | 0.250000 W |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Modlue** | **High Alarm** | **High Warn** | **Low Warn** | **Low Alarm** |  |  |  |  |  |  |
| **Temperature** | -0.001 C | -0.001 C | -0.001 C | -0.001 C |  |  |  |  |  |  |
| **Supply Voltage** | -0.000 V | -0.000 V | -0.000 V | -0.000 V |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Lane Limits** | **High Alarm** | **High Warn** | **Low Warn** | **Low Alarm** |  |  |  |  |  |  |
| **Tx Optical Power** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
| **Rx Optical Power** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
| **Tx Bias Current** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Host Lane** | **Port** | **Data Path State** | **Tx LOS** | **Tx CDR LOL** | **Media Lane** | **Tx Optical Power** | **Tx Bias Cureent** | **Rx Optical Power** | **Rx LOS** | **Rx CDR LOL** |
| 1 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 2 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 3 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 4 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 5 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 6 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 7 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 8 | 3.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1,1,4** |  |  |  |  |  |  |  |  |  |  |
| **Manufactuer** | TE Connectivity | **Model** | 2369405-2 | **Mfg Revision** | 11 |  |  |  |  |  |
| **Type** | PassiveCopper | **SN** | 57ADUAD233140Z | **Firmware Revision** |  |  |  |  |  |  |
| **MSA** | CMIS 5.0 | **Date Code(YYMMDDLL)** | 230904 | **Hardware Revision** |  |  |  |  |  |  |
| **Media Tech** | Copper cable unequalized | **Media Connector** | No separable connector |  |  |  |  |  |  |  |
| **Cable Lenth** | 1.0 m | **Identifier Type** | OSFP |  |  |  |  |  |  |  |
| **Reported Power Class** | 1 | **Reported Max Power** | 0.250000 W |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Modlue** | **High Alarm** | **High Warn** | **Low Warn** | **Low Alarm** |  |  |  |  |  |  |
| **Temperature** | -0.001 C | -0.001 C | -0.001 C | -0.001 C |  |  |  |  |  |  |
| **Supply Voltage** | -0.000 V | -0.000 V | -0.000 V | -0.000 V |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Lane Limits** | **High Alarm** | **High Warn** | **Low Warn** | **Low Alarm** |  |  |  |  |  |  |
| **Tx Optical Power** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
| **Rx Optical Power** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
| **Tx Bias Current** | -40.00 dBm | -40.00 dBm | -40.00 dBm | -40.00 dBm |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Host Lane** | **Port** | **Data Path State** | **Tx LOS** | **Tx CDR LOL** | **Media Lane** | **Tx Optical Power** | **Tx Bias Cureent** | **Rx Optical Power** | **Rx LOS** | **Rx CDR LOL** |
| 1 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 2 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 3 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 4 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 5 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 6 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 7 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |
| 8 | 4.1 | 0 | No | No | 0 | -40.00 dBm | 0.000 mA | -40.00 dBm | No | No |

# Transceiver DOM (Digital Optical Monitoring) - 64

No DOM data available.

# CMIS Applicatio Select

|  |  |
| --- | --- |
| 1,1,3 |  |
| Current AppSel | 0 |

Available Applications

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **App** | **Host Side** | | | | | | **Line Side Media** | | | | |
|  | **Interface** | **Lane Speed (G bit/s)** | **Modulation** | **Lane Groups** | **Lanes** | **ID (HEex)** | **Interface** | **Lane Speed (G bit/s)** | **Lane Groups** | **Lanes** | **ID (Hex)** |
| 1 | 800GBASE-CR8 | 106 | PAM4 | 1 | 8 | 73 | PassiveCopper |  | 0 | 8 | 1 |
| 2 | 400GBASE-CR4 | 106 | PAM4 | 2 | 4 | 72 | PassiveCopper |  | 0 | 4 | 1 |
| 3 | 200GBASE-CR2 | 106 | PAM4 | 4 | 2 | 71 | PassiveCopper |  | 0 | 2 | 1 |
| 4 | 100GBASE-CR1 | 106 | PAM4 | 8 | 1 | 70 | PassiveCopper |  | 0 | 1 | 1 |
| 5 | 400GBASE-CR8 | 53 | PAM4 | 1 | 8 | 29 | PassiveCopper |  | 0 | 8 | 1 |
| 6 | 200GBASE-CR4 | 53 | PAM4 | 2 | 4 | 28 | PassiveCopper |  | 0 | 4 | 1 |
| 7 | 100GBASE-CR2 | 53 | PAM4 | 4 | 2 | 27 | PassiveCopper |  | 0 | 2 | 1 |
| 8 | 50GBASE-CR | 53 | PAM4 | 8 | 1 | 24 | PassiveCopper |  | 0 | 1 | 1 |

Preview of Auto selected applications

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Host Port Mode** | **Mod** | **Lane Groups** | **Lanes** | **AppSel** | **Link** | **Host Electrical** | **Lane Groups** | **Lanes** | **Note** |

|  |  |
| --- | --- |
| 1,1,4 |  |
| Current AppSel | 0 |

Available Applications

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **App** | **Host Side** | | | | | | **Line Side Media** | | | | |
|  | **Interface** | **Lane Speed (G bit/s)** | **Modulation** | **Lane Groups** | **Lanes** | **ID (HEex)** | **Interface** | **Lane Speed (G bit/s)** | **Lane Groups** | **Lanes** | **ID (Hex)** |
| 1 | 800GBASE-CR8 | 106 | PAM4 | 1 | 8 | 73 | PassiveCopper |  | 0 | 8 | 1 |
| 2 | 400GBASE-CR4 | 106 | PAM4 | 2 | 4 | 72 | PassiveCopper |  | 0 | 4 | 1 |
| 3 | 200GBASE-CR2 | 106 | PAM4 | 4 | 2 | 71 | PassiveCopper |  | 0 | 2 | 1 |
| 4 | 100GBASE-CR1 | 106 | PAM4 | 8 | 1 | 70 | PassiveCopper |  | 0 | 1 | 1 |
| 5 | 400GBASE-CR8 | 53 | PAM4 | 1 | 8 | 29 | PassiveCopper |  | 0 | 8 | 1 |
| 6 | 200GBASE-CR4 | 53 | PAM4 | 2 | 4 | 28 | PassiveCopper |  | 0 | 4 | 1 |
| 7 | 100GBASE-CR2 | 53 | PAM4 | 4 | 2 | 27 | PassiveCopper |  | 0 | 2 | 1 |
| 8 | 50GBASE-CR | 53 | PAM4 | 8 | 1 | 24 | PassiveCopper |  | 0 | 1 | 1 |

Preview of Auto selected applications

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Host Port Mode** | **Mod** | **Lane Groups** | **Lanes** | **AppSel** | **Link** | **Host Electrical** | **Lane Groups** | **Lanes** | **Note** |

# BERT Result Summary

No BERT Result Summary data available.

# BERT Statistics

No BERT Statistics data available.

# FEC Result Summary - 128

|  |  |  |
| --- | --- | --- |
| **Frame Loss Ratio** | **1,1,3** | **1,1,4** |
| **Pre-FEC Standard** | 2.400000e-04 | 2.400000e-04 |
| **Pre-FEC Pass/Fail Verdict** | PASS | PASS |
| **Post-FEC Standard** | 9.200000e-13 | 9.200000e-13 |
| **Post-FEC Pass/Fail Verdict** | PASS | PASS |

# FEC Result Summary - 64

|  |  |  |
| --- | --- | --- |
| **Frame Loss Ratio** | **1,1,3** | **1,1,4** |
| **Pre-FEC Standard** | 2.400000e-04 | 2.400000e-04 |
| **Pre-FEC Pass/Fail Verdict** | PASS | PASS |
| **Post-FEC Standard** | 9.200000e-13 | 9.200000e-13 |
| **Post-FEC Pass/Fail Verdict** | PASS | PASS |

# PCS Lane Statistics - 128

Port - 1,1,3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Physical Lane** | **PCS Lane Marker Lock** | **PCS Lane Marker Map** | **Relative Lane Skew (ns)** | **PCS Lane Marker Error Count** | **FEC Symbol Error Count** | **FEC Correct Bit Count** | **FEC Symbol Error** | **FEC Correct Bit Rate** |
| **Totals** | Lock | all | 9.035 | 0.0 | 0.0 | 3407.0 | 0.000000e+00 | 1.997139e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 90 | 0.000000e+00 | 5.314423e-11 |
| **1** | Lock | 0 | 0.0 | 0 | 0 | 21 | 0.000000e+00 | 1.240032e-11 |
| **2** | Lock | 17 | 0.0 | 0 | 0 | 8 | 0.000000e+00 | 4.723931e-12 |
| **3** | Lock | 1 | 0.0 | 0 | 0 | 5 | 0.000000e+00 | 2.952457e-12 |
| **4** | Lock | 18 | 0.0 | 0 | 0 | 134 | 0.000000e+00 | 7.912585e-11 |
| **5** | Lock | 2 | 0.0 | 0 | 0 | 52 | 0.000000e+00 | 3.070555e-11 |
| **6** | Lock | 19 | 0.0 | 0 | 0 | 8 | 0.000000e+00 | 4.687001e-12 |
| **7** | Lock | 3 | 3.011 | 0 | 0 | 9 | 0.000000e+00 | 5.272876e-12 |
| **8** | Lock | 4 | 3.011 | 0 | 0 | 174 | 0.000000e+00 | 1.019423e-10 |
| **9** | Lock | 20 | 3.011 | 0 | 0 | 137 | 0.000000e+00 | 8.026490e-11 |
| **10** | Lock | 5 | 3.011 | 0 | 0 | 32 | 0.000000e+00 | 1.874800e-11 |
| **11** | Lock | 21 | 3.011 | 0 | 0 | 36 | 0.000000e+00 | 2.109151e-11 |
| **12** | Lock | 22 | 3.011 | 0 | 0 | 2 | 0.000000e+00 | 1.171750e-12 |
| **13** | Lock | 6 | 3.011 | 0 | 0 | 7 | 0.000000e+00 | 4.101126e-12 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 2 | 0.000000e+00 | 1.171750e-12 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 888 | 0.000000e+00 | 5.202571e-10 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 811 | 0.000000e+00 | 4.751447e-10 |
| **18** | Lock | 25 | 3.011 | 0 | 0 | 180 | 0.000000e+00 | 1.054575e-10 |
| **19** | Lock | 9 | 0.0 | 0 | 0 | 193 | 0.000000e+00 | 1.130739e-10 |
| **20** | Lock | 10 | 3.011 | 0 | 0 | 75 | 0.000000e+00 | 4.394064e-11 |
| **21** | Lock | 26 | 9.035 | 0 | 0 | 83 | 0.000000e+00 | 4.862764e-11 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 6 | 0.000000e+00 | 3.515251e-12 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 9 | 0.000000e+00 | 5.272876e-12 |
| **24** | Lock | 12 | 0.0 | 0 | 0 | 213 | 0.000000e+00 | 1.247914e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 107 | 0.000000e+00 | 6.268864e-11 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 43 | 0.000000e+00 | 2.519263e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 28 | 0.000000e+00 | 1.627854e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 26 | 0.000000e+00 | 1.511578e-11 |
| **29** | Lock | 30 | 3.011 | 0 | 0 | 24 | 0.000000e+00 | 1.395303e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.162753e-12 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.162753e-12 |

Port - 1,1,4

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Physical Lane** | **PCS Lane Marker Lock** | **PCS Lane Marker Map** | **Relative Lane Skew (ns)** | **PCS Lane Marker Error Count** | **FEC Symbol Error Count** | **FEC Correct Bit Count** | **FEC Symbol Error** | **FEC Correct Bit Rate** |
| **Totals** | Lock | all | 9.035 | 0.0 | 0.0 | 127174.0 | 0.000000e+00 | 7.337696e-08 |
| **0** | Lock | 0 | 0.0 | 0 | 0 | 88 | 0.000000e+00 | 5.116111e-11 |
| **1** | Lock | 16 | 0.0 | 0 | 0 | 60 | 0.000000e+00 | 3.488258e-11 |
| **2** | Lock | 1 | 6.023 | 0 | 0 | 2 | 0.000000e+00 | 1.162753e-12 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **4** | Lock | 18 | 9.035 | 0 | 0 | 243 | 0.000000e+00 | 1.412744e-10 |
| **5** | Lock | 2 | 6.023 | 0 | 0 | 105 | 0.000000e+00 | 6.104451e-11 |
| **6** | Lock | 19 | 6.023 | 0 | 0 | 10 | 0.000000e+00 | 5.813763e-12 |
| **7** | Lock | 3 | 6.023 | 0 | 0 | 7 | 0.000000e+00 | 4.038759e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 337 | 0.000000e+00 | 1.944374e-10 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 640 | 0.000000e+00 | 3.692580e-10 |
| **10** | Lock | 21 | 6.023 | 0 | 0 | 69 | 0.000000e+00 | 3.981062e-11 |
| **11** | Lock | 5 | 9.035 | 0 | 0 | 164 | 0.000000e+00 | 9.462235e-11 |
| **12** | Lock | 6 | 3.011 | 0 | 0 | 16 | 0.000000e+00 | 9.231449e-12 |
| **13** | Lock | 22 | 6.023 | 0 | 0 | 48 | 0.000000e+00 | 2.769435e-11 |
| **14** | Lock | 7 | 6.023 | 0 | 0 | 2 | 0.000000e+00 | 1.153931e-12 |
| **15** | Lock | 23 | 3.011 | 0 | 0 | 6 | 0.000000e+00 | 3.461793e-12 |
| **16** | Lock | 24 | 3.011 | 0 | 0 | 41097 | 0.000000e+00 | 2.371155e-08 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 41116 | 0.000000e+00 | 2.372252e-08 |
| **18** | Lock | 25 | 6.023 | 0 | 0 | 12836 | 0.000000e+00 | 7.405930e-09 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 10569 | 0.000000e+00 | 6.097949e-09 |
| **20** | Lock | 10 | 0.0 | 0 | 0 | 6263 | 0.000000e+00 | 3.613535e-09 |
| **21** | Lock | 26 | 3.011 | 0 | 0 | 9165 | 0.000000e+00 | 5.287889e-09 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 857 | 0.000000e+00 | 4.944595e-10 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 1269 | 0.000000e+00 | 7.321693e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 749 | 0.000000e+00 | 4.321472e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 392 | 0.000000e+00 | 2.261705e-10 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 129 | 0.000000e+00 | 7.442856e-11 |
| **27** | Lock | 29 | 0.0 | 0 | 0 | 69 | 0.000000e+00 | 3.981062e-11 |
| **28** | Lock | 30 | 0.0 | 0 | 0 | 343 | 0.000000e+00 | 1.978992e-10 |
| **29** | Lock | 14 | 0.0 | 0 | 0 | 418 | 0.000000e+00 | 2.411716e-10 |
| **30** | Lock | 31 | 3.011 | 0 | 0 | 37 | 0.000000e+00 | 2.134773e-11 |
| **31** | Lock | 15 | 3.011 | 0 | 0 | 68 | 0.000000e+00 | 3.893519e-11 |

# PCS Lane Statistics - 64

Port - 1,1,3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Physical Lane** | **PCS Lane Marker Lock** | **PCS Lane Marker Map** | **Relative Lane Skew (ns)** | **PCS Lane Marker Error Count** | **FEC Symbol Error Count** | **FEC Correct Bit Count** | **FEC Symbol Error** | **FEC Correct Bit Rate** |
| **Totals** | Lock | all | 9.035 | 0.0 | 0.0 | 3533.0 | 0.000000e+00 | 2.062182e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 72 | 0.000000e+00 | 4.228898e-11 |
| **1** | Lock | 0 | 0.0 | 0 | 0 | 23 | 0.000000e+00 | 1.350898e-11 |
| **2** | Lock | 17 | 0.0 | 0 | 0 | 9 | 0.000000e+00 | 5.286123e-12 |
| **3** | Lock | 1 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.174694e-12 |
| **4** | Lock | 18 | 0.0 | 0 | 0 | 152 | 0.000000e+00 | 8.927674e-11 |
| **5** | Lock | 2 | 0.0 | 0 | 0 | 73 | 0.000000e+00 | 4.287633e-11 |
| **6** | Lock | 19 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.349388e-12 |
| **7** | Lock | 3 | 3.011 | 0 | 0 | 12 | 0.000000e+00 | 7.048164e-12 |
| **8** | Lock | 4 | 3.011 | 0 | 0 | 171 | 0.000000e+00 | 1.004363e-10 |
| **9** | Lock | 20 | 3.011 | 0 | 0 | 139 | 0.000000e+00 | 8.164123e-11 |
| **10** | Lock | 5 | 3.011 | 0 | 0 | 24 | 0.000000e+00 | 1.409633e-11 |
| **11** | Lock | 21 | 3.011 | 0 | 0 | 49 | 0.000000e+00 | 2.878000e-11 |
| **12** | Lock | 22 | 3.011 | 0 | 0 | 4 | 0.000000e+00 | 2.349388e-12 |
| **13** | Lock | 6 | 3.011 | 0 | 0 | 10 | 0.000000e+00 | 5.829424e-12 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 1 | 0.000000e+00 | 5.829424e-13 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 1 | 0.000000e+00 | 5.829424e-13 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 926 | 0.000000e+00 | 5.398046e-10 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 851 | 0.000000e+00 | 4.960840e-10 |
| **18** | Lock | 25 | 3.011 | 0 | 0 | 187 | 0.000000e+00 | 1.090102e-10 |
| **19** | Lock | 9 | 0.0 | 0 | 0 | 194 | 0.000000e+00 | 1.130908e-10 |
| **20** | Lock | 10 | 3.011 | 0 | 0 | 63 | 0.000000e+00 | 3.672537e-11 |
| **21** | Lock | 26 | 9.035 | 0 | 0 | 85 | 0.000000e+00 | 4.955010e-11 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 6 | 0.000000e+00 | 3.497654e-12 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 9 | 0.000000e+00 | 5.246481e-12 |
| **24** | Lock | 12 | 0.0 | 0 | 0 | 239 | 0.000000e+00 | 1.393232e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 96 | 0.000000e+00 | 5.596247e-11 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 35 | 0.000000e+00 | 2.024624e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 32 | 0.000000e+00 | 1.851084e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 35 | 0.000000e+00 | 2.024624e-11 |
| **29** | Lock | 30 | 3.011 | 0 | 0 | 24 | 0.000000e+00 | 1.388313e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 1 | 0.000000e+00 | 5.784639e-13 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.313856e-12 |

Port - 1,1,4

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Physical Lane** | **PCS Lane Marker Lock** | **PCS Lane Marker Map** | **Relative Lane Skew (ns)** | **PCS Lane Marker Error Count** | **FEC Symbol Error Count** | **FEC Correct Bit Count** | **FEC Symbol Error** | **FEC Correct Bit Rate** |
| **Totals** | Lock | all | 9.035 | 0.0 | 0.0 | 126963.0 | 0.000000e+00 | 7.289037e-08 |
| **0** | Lock | 0 | 0.0 | 0 | 0 | 97 | 0.000000e+00 | 5.611100e-11 |
| **1** | Lock | 16 | 0.0 | 0 | 0 | 49 | 0.000000e+00 | 2.834473e-11 |
| **2** | Lock | 1 | 6.023 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 3 | 0.000000e+00 | 1.735392e-12 |
| **4** | Lock | 18 | 9.035 | 0 | 0 | 225 | 0.000000e+00 | 1.301544e-10 |
| **5** | Lock | 2 | 6.023 | 0 | 0 | 99 | 0.000000e+00 | 5.726793e-11 |
| **6** | Lock | 19 | 6.023 | 0 | 0 | 18 | 0.000000e+00 | 1.041235e-11 |
| **7** | Lock | 3 | 6.023 | 0 | 0 | 5 | 0.000000e+00 | 2.892320e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 331 | 0.000000e+00 | 1.914716e-10 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 682 | 0.000000e+00 | 3.945124e-10 |
| **10** | Lock | 21 | 6.023 | 0 | 0 | 74 | 0.000000e+00 | 4.280633e-11 |
| **11** | Lock | 5 | 9.035 | 0 | 0 | 157 | 0.000000e+00 | 9.081883e-11 |
| **12** | Lock | 6 | 3.011 | 0 | 0 | 25 | 0.000000e+00 | 1.435126e-11 |
| **13** | Lock | 22 | 6.023 | 0 | 0 | 51 | 0.000000e+00 | 2.927658e-11 |
| **14** | Lock | 7 | 6.023 | 0 | 0 | 3 | 0.000000e+00 | 1.722152e-12 |
| **15** | Lock | 23 | 3.011 | 0 | 0 | 1 | 0.000000e+00 | 5.740505e-13 |
| **16** | Lock | 24 | 3.011 | 0 | 0 | 40688 | 0.000000e+00 | 2.335697e-08 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 40921 | 0.000000e+00 | 2.349072e-08 |
| **18** | Lock | 25 | 6.023 | 0 | 0 | 12854 | 0.000000e+00 | 7.378845e-09 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 10467 | 0.000000e+00 | 6.008587e-09 |
| **20** | Lock | 10 | 0.0 | 0 | 0 | 6321 | 0.000000e+00 | 3.628573e-09 |
| **21** | Lock | 26 | 3.011 | 0 | 0 | 9427 | 0.000000e+00 | 5.411574e-09 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 879 | 0.000000e+00 | 5.045904e-10 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 1313 | 0.000000e+00 | 7.537283e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 742 | 0.000000e+00 | 4.259455e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 399 | 0.000000e+00 | 2.290462e-10 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 146 | 0.000000e+00 | 8.381138e-11 |
| **27** | Lock | 29 | 0.0 | 0 | 0 | 79 | 0.000000e+00 | 4.534999e-11 |
| **28** | Lock | 30 | 0.0 | 0 | 0 | 374 | 0.000000e+00 | 2.146949e-10 |
| **29** | Lock | 14 | 0.0 | 0 | 0 | 424 | 0.000000e+00 | 2.433974e-10 |
| **30** | Lock | 31 | 3.011 | 0 | 0 | 45 | 0.000000e+00 | 2.563063e-11 |
| **31** | Lock | 15 | 3.011 | 0 | 0 | 64 | 0.000000e+00 | 3.645245e-11 |

# L2 Traffic Test Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Frame Size** | **Tx Count** | **Rx Count** | **Loss Count** | **Loss %** |
| **128** | 81364512302 | 81364512302 | 0 | 0.0 |
| **64** | 143316571290 | 143316571290 | 0 | 0.0 |

# Port Statistics - 128

|  |  |  |
| --- | --- | --- |
| **Port Statistics** | **Port 1,1,3** | **Port 1,1,4** |
| link | link up | link up |
| lineSpeed | 800000 | 800000 |
| transmitDuration | 00:01:00.202377470 | 00:01:00.217100905 |
| framesSent | 40677282016 | 40687230286 |
| framesReceived | 40677282016 | 40687230286 |
| bitsSent | 41653536784384 | 41663723812864 |
| bitsReceived | 41663723812864 | 41653536784384 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 3358 | 121692 |
| fecMaxSymbolErrors | 1 | 2 |
| fecCorrectedCodewords | 3358 | 121056 |
| fecTotalCodewords | 9868389040 | 9868057760 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 6.255118e-11 | 2.266895e-09 |
| fecMaxSymbolErrorsBin0 | 9868385682 | 9867936704 |
| fecMaxSymbolErrorsBin1 | 3358 | 120420 |
| fecMaxSymbolErrorsBin2 | 0 | 636 |
| fecMaxSymbolErrorsBin3 | 0 | 0 |
| fecMaxSymbolErrorsBin4 | 0 | 0 |
| fecMaxSymbolErrorsBin5 | 0 | 0 |
| fecMaxSymbolErrorsBin6 | 0 | 0 |
| fecMaxSymbolErrorsBin7 | 0 | 0 |
| fecMaxSymbolErrorsBin8 | 0 | 0 |
| fecMaxSymbolErrorsBin9 | 0 | 0 |
| fecMaxSymbolErrorsBin10 | 0 | 0 |
| fecMaxSymbolErrorsBin11 | 0 | 0 |
| fecMaxSymbolErrorsBin12 | 0 | 0 |
| fecMaxSymbolErrorsBin13 | 0 | 0 |
| fecMaxSymbolErrorsBin14 | 0 | 0 |
| fecMaxSymbolErrorsBin15 | 0 | 0 |
| fecUncorrectableCodewords | 0 | 0 |
| fecTranscodingUncorrectableErrors | 0 | 0 |
| l1BitsSent | 48161901906944 | 48173680658624 |
| l1BitsReceived | 48173680658624 | 48161901906944 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2224364 | 85897118441 |
| averageLatency | 2224370 | 57142679 |
| maxLatency | 2224376 | 85897118453 |
| Loss\_Frames | 0 | 0 |
| Loss% | 0.0 | 0.0 |

# Port Statistics - 64

|  |  |  |
| --- | --- | --- |
| **Port Statistics** | **Port 1,1,3** | **Port 1,1,4** |
| link | link up | link up |
| lineSpeed | 800000 | 800000 |
| transmitDuration | 00:01:00.191059704 | 00:01:00.194860190 |
| framesSent | 71656023454 | 71660547836 |
| framesReceived | 71656023454 | 71660547836 |
| bitsSent | 36687884008448 | 36690200492032 |
| bitsReceived | 36690200492032 | 36687884008448 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 3501 | 121737 |
| fecMaxSymbolErrors | 1 | 2 |
| fecCorrectedCodewords | 3501 | 121117 |
| fecTotalCodewords | 9951722736 | 9951276240 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 6.466882e-11 | 2.248769e-09 |
| fecMaxSymbolErrorsBin0 | 9951719235 | 9951155123 |
| fecMaxSymbolErrorsBin1 | 3501 | 120497 |
| fecMaxSymbolErrorsBin2 | 0 | 620 |
| fecMaxSymbolErrorsBin3 | 0 | 0 |
| fecMaxSymbolErrorsBin4 | 0 | 0 |
| fecMaxSymbolErrorsBin5 | 0 | 0 |
| fecMaxSymbolErrorsBin6 | 0 | 0 |
| fecMaxSymbolErrorsBin7 | 0 | 0 |
| fecMaxSymbolErrorsBin8 | 0 | 0 |
| fecMaxSymbolErrorsBin9 | 0 | 0 |
| fecMaxSymbolErrorsBin10 | 0 | 0 |
| fecMaxSymbolErrorsBin11 | 0 | 0 |
| fecMaxSymbolErrorsBin12 | 0 | 0 |
| fecMaxSymbolErrorsBin13 | 0 | 0 |
| fecMaxSymbolErrorsBin14 | 0 | 0 |
| fecMaxSymbolErrorsBin15 | 0 | 0 |
| fecUncorrectableCodewords | 0 | 0 |
| fecTranscodingUncorrectableErrors | 0 | 0 |
| l1BitsSent | 48152847761088 | 48155888145792 |
| l1BitsReceived | 48155888145792 | 48152847761088 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2224364 | 85897118441 |
| averageLatency | 2224370 | 26852738 |
| maxLatency | 2224376 | 85897118453 |
| Loss\_Frames | 0 | 0 |
| Loss% | 0.0 | 0.0 |