

Keysight Test Report

**PASS**

|  |  |
| --- | --- |
| Report Header: | Keysight Inc. |
| Report Date: | 2025/04/13 00:03:31 |
| Type: | Framed |

# SUMMARY

|  |  |
| --- | --- |
| IxOS Version | 10.00.1000.17 |
| Test Start Time | 2025/04/12 23:59:42 |
| Test End Time | 2025/04/13 00:03:31 |
| 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) - 64

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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) - 128

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 - 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 |

# 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 |

# 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 | 6.023 | 0.0 | 0.0 | 7847.0 | 0.000000e+00 | 4.612830e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 85 | 0.000000e+00 | 5.037445e-11 |
| **1** | Lock | 0 | 3.011 | 0 | 0 | 29 | 0.000000e+00 | 1.718658e-11 |
| **2** | Lock | 17 | 3.011 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **3** | Lock | 1 | 3.011 | 0 | 0 | 3 | 0.000000e+00 | 1.777922e-12 |
| **4** | Lock | 2 | 0.0 | 0 | 0 | 118 | 0.000000e+00 | 6.993158e-11 |
| **5** | Lock | 18 | 0.0 | 0 | 0 | 73 | 0.000000e+00 | 4.326276e-11 |
| **6** | Lock | 3 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.351148e-12 |
| **7** | Lock | 19 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.351148e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 110 | 0.000000e+00 | 6.465658e-11 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 83 | 0.000000e+00 | 4.878633e-11 |
| **10** | Lock | 21 | 0.0 | 0 | 0 | 5 | 0.000000e+00 | 2.938935e-12 |
| **11** | Lock | 5 | 0.0 | 0 | 0 | 16 | 0.000000e+00 | 9.404593e-12 |
| **12** | Lock | 6 | 0.0 | 0 | 0 | 11 | 0.000000e+00 | 6.465658e-12 |
| **13** | Lock | 22 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.175574e-12 |
| **14** | Lock | 7 | 0.0 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **15** | Lock | 23 | 0.0 | 0 | 0 | 1 | 0.000000e+00 | 5.877871e-13 |
| **16** | Lock | 8 | 0.0 | 0 | 0 | 2034 | 0.000000e+00 | 1.195559e-09 |
| **17** | Lock | 24 | 3.011 | 0 | 0 | 2105 | 0.000000e+00 | 1.237292e-09 |
| **18** | Lock | 9 | 0.0 | 0 | 0 | 401 | 0.000000e+00 | 2.357026e-10 |
| **19** | Lock | 25 | 3.011 | 0 | 0 | 494 | 0.000000e+00 | 2.903668e-10 |
| **20** | Lock | 26 | 3.011 | 0 | 0 | 933 | 0.000000e+00 | 5.484053e-10 |
| **21** | Lock | 10 | 0.0 | 0 | 0 | 652 | 0.000000e+00 | 3.832372e-10 |
| **22** | Lock | 27 | 3.011 | 0 | 0 | 232 | 0.000000e+00 | 1.363666e-10 |
| **23** | Lock | 11 | 0.0 | 0 | 0 | 174 | 0.000000e+00 | 1.022750e-10 |
| **24** | Lock | 28 | 3.011 | 0 | 0 | 52 | 0.000000e+00 | 3.056493e-11 |
| **25** | Lock | 12 | 0.0 | 0 | 0 | 56 | 0.000000e+00 | 3.266074e-11 |
| **26** | Lock | 29 | 3.011 | 0 | 0 | 6 | 0.000000e+00 | 3.499365e-12 |
| **27** | Lock | 13 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.332910e-12 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 90 | 0.000000e+00 | 5.249048e-11 |
| **29** | Lock | 30 | 6.023 | 0 | 0 | 63 | 0.000000e+00 | 3.674333e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 5 | 0.000000e+00 | 2.916138e-12 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.166455e-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 | 19357.0 | 0.000000e+00 | 1.121115e-08 |
| **0** | Lock | 0 | 3.011 | 0 | 0 | 59 | 0.000000e+00 | 3.441042e-11 |
| **1** | Lock | 16 | 6.023 | 0 | 0 | 39 | 0.000000e+00 | 2.274587e-11 |
| **2** | Lock | 1 | 3.011 | 0 | 0 | 1 | 0.000000e+00 | 5.832275e-13 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **4** | Lock | 2 | 3.011 | 0 | 0 | 146 | 0.000000e+00 | 8.515122e-11 |
| **5** | Lock | 18 | 3.011 | 0 | 0 | 314 | 0.000000e+00 | 1.831334e-10 |
| **6** | Lock | 3 | 6.023 | 0 | 0 | 5 | 0.000000e+00 | 2.916138e-12 |
| **7** | Lock | 19 | 3.011 | 0 | 0 | 27 | 0.000000e+00 | 1.574714e-11 |
| **8** | Lock | 4 | 9.035 | 0 | 0 | 523 | 0.000000e+00 | 3.050280e-10 |
| **9** | Lock | 20 | 9.035 | 0 | 0 | 150 | 0.000000e+00 | 8.748413e-11 |
| **10** | Lock | 5 | 6.023 | 0 | 0 | 86 | 0.000000e+00 | 5.015757e-11 |
| **11** | Lock | 21 | 6.023 | 0 | 0 | 51 | 0.000000e+00 | 2.974460e-11 |
| **12** | Lock | 22 | 6.023 | 0 | 0 | 81 | 0.000000e+00 | 4.724143e-11 |
| **13** | Lock | 6 | 9.035 | 0 | 0 | 13 | 0.000000e+00 | 7.581958e-12 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 3 | 0.000000e+00 | 1.736517e-12 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 4320 | 0.000000e+00 | 2.500585e-09 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 3748 | 0.000000e+00 | 2.169489e-09 |
| **18** | Lock | 25 | 9.035 | 0 | 0 | 1346 | 0.000000e+00 | 7.791175e-10 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 1027 | 0.000000e+00 | 5.944678e-10 |
| **20** | Lock | 26 | 9.035 | 0 | 0 | 2785 | 0.000000e+00 | 1.612067e-09 |
| **21** | Lock | 10 | 3.011 | 0 | 0 | 2772 | 0.000000e+00 | 1.604542e-09 |
| **22** | Lock | 27 | 9.035 | 0 | 0 | 571 | 0.000000e+00 | 3.305171e-10 |
| **23** | Lock | 11 | 6.023 | 0 | 0 | 523 | 0.000000e+00 | 3.027329e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 364 | 0.000000e+00 | 2.106974e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 263 | 0.000000e+00 | 1.522347e-10 |
| **26** | Lock | 13 | 3.011 | 0 | 0 | 35 | 0.000000e+00 | 2.025937e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 32 | 0.000000e+00 | 1.852285e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 46 | 0.000000e+00 | 2.662660e-11 |
| **29** | Lock | 30 | 6.023 | 0 | 0 | 14 | 0.000000e+00 | 8.103748e-12 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 10 | 0.000000e+00 | 5.788391e-12 |
| **31** | Lock | 31 | 6.023 | 0 | 0 | 3 | 0.000000e+00 | 1.736517e-12 |

# 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 | 6.023 | 0.0 | 0.0 | 7710.0 | 0.000000e+00 | 4.532530e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 81 | 0.000000e+00 | 4.796117e-11 |
| **1** | Lock | 0 | 3.011 | 0 | 0 | 35 | 0.000000e+00 | 2.072396e-11 |
| **2** | Lock | 17 | 3.011 | 0 | 0 | 7 | 0.000000e+00 | 4.144792e-12 |
| **3** | Lock | 1 | 3.011 | 0 | 0 | 4 | 0.000000e+00 | 2.368453e-12 |
| **4** | Lock | 2 | 0.0 | 0 | 0 | 112 | 0.000000e+00 | 6.631668e-11 |
| **5** | Lock | 18 | 0.0 | 0 | 0 | 79 | 0.000000e+00 | 4.677694e-11 |
| **6** | Lock | 3 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.368453e-12 |
| **7** | Lock | 19 | 0.0 | 0 | 0 | 5 | 0.000000e+00 | 2.960566e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 106 | 0.000000e+00 | 6.229506e-11 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 85 | 0.000000e+00 | 4.995358e-11 |
| **10** | Lock | 21 | 0.0 | 0 | 0 | 6 | 0.000000e+00 | 3.526135e-12 |
| **11** | Lock | 5 | 0.0 | 0 | 0 | 17 | 0.000000e+00 | 9.990717e-12 |
| **12** | Lock | 6 | 0.0 | 0 | 0 | 14 | 0.000000e+00 | 8.227649e-12 |
| **13** | Lock | 22 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.350757e-12 |
| **14** | Lock | 7 | 0.0 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **15** | Lock | 23 | 0.0 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **16** | Lock | 8 | 0.0 | 0 | 0 | 1943 | 0.000000e+00 | 1.141880e-09 |
| **17** | Lock | 24 | 3.011 | 0 | 0 | 2118 | 0.000000e+00 | 1.244726e-09 |
| **18** | Lock | 9 | 0.0 | 0 | 0 | 355 | 0.000000e+00 | 2.086297e-10 |
| **19** | Lock | 25 | 3.011 | 0 | 0 | 493 | 0.000000e+00 | 2.897308e-10 |
| **20** | Lock | 26 | 3.011 | 0 | 0 | 919 | 0.000000e+00 | 5.400864e-10 |
| **21** | Lock | 10 | 0.0 | 0 | 0 | 633 | 0.000000e+00 | 3.720073e-10 |
| **22** | Lock | 27 | 3.011 | 0 | 0 | 225 | 0.000000e+00 | 1.322301e-10 |
| **23** | Lock | 11 | 0.0 | 0 | 0 | 171 | 0.000000e+00 | 1.004949e-10 |
| **24** | Lock | 28 | 3.011 | 0 | 0 | 66 | 0.000000e+00 | 3.878749e-11 |
| **25** | Lock | 12 | 0.0 | 0 | 0 | 63 | 0.000000e+00 | 3.702442e-11 |
| **26** | Lock | 29 | 3.011 | 0 | 0 | 7 | 0.000000e+00 | 4.113824e-12 |
| **27** | Lock | 13 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.350757e-12 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 78 | 0.000000e+00 | 4.583976e-11 |
| **29** | Lock | 30 | 6.023 | 0 | 0 | 72 | 0.000000e+00 | 4.231362e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 1 | 0.000000e+00 | 5.876892e-13 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 3 | 0.000000e+00 | 1.763068e-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 | 19195.0 | 0.000000e+00 | 1.117110e-08 |
| **0** | Lock | 0 | 3.011 | 0 | 0 | 64 | 0.000000e+00 | 3.732073e-11 |
| **1** | Lock | 16 | 6.023 | 0 | 0 | 31 | 0.000000e+00 | 1.807723e-11 |
| **2** | Lock | 1 | 3.011 | 0 | 0 | 2 | 0.000000e+00 | 1.166273e-12 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 3 | 0.000000e+00 | 1.749409e-12 |
| **4** | Lock | 2 | 3.011 | 0 | 0 | 136 | 0.000000e+00 | 7.930655e-11 |
| **5** | Lock | 18 | 3.011 | 0 | 0 | 294 | 0.000000e+00 | 1.714421e-10 |
| **6** | Lock | 3 | 6.023 | 0 | 0 | 4 | 0.000000e+00 | 2.332546e-12 |
| **7** | Lock | 19 | 3.011 | 0 | 0 | 38 | 0.000000e+00 | 2.215918e-11 |
| **8** | Lock | 4 | 9.035 | 0 | 0 | 483 | 0.000000e+00 | 2.816549e-10 |
| **9** | Lock | 20 | 9.035 | 0 | 0 | 188 | 0.000000e+00 | 1.096296e-10 |
| **10** | Lock | 5 | 6.023 | 0 | 0 | 70 | 0.000000e+00 | 4.081955e-11 |
| **11** | Lock | 21 | 6.023 | 0 | 0 | 40 | 0.000000e+00 | 2.332546e-11 |
| **12** | Lock | 22 | 6.023 | 0 | 0 | 70 | 0.000000e+00 | 4.081955e-11 |
| **13** | Lock | 6 | 9.035 | 0 | 0 | 16 | 0.000000e+00 | 9.330183e-12 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 4 | 0.000000e+00 | 2.332546e-12 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 3 | 0.000000e+00 | 1.749409e-12 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 4149 | 0.000000e+00 | 2.419433e-09 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 3681 | 0.000000e+00 | 2.146525e-09 |
| **18** | Lock | 25 | 9.035 | 0 | 0 | 1356 | 0.000000e+00 | 7.907330e-10 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 1042 | 0.000000e+00 | 6.076281e-10 |
| **20** | Lock | 26 | 9.035 | 0 | 0 | 2789 | 0.000000e+00 | 1.626367e-09 |
| **21** | Lock | 10 | 3.011 | 0 | 0 | 2825 | 0.000000e+00 | 1.634105e-09 |
| **22** | Lock | 27 | 9.035 | 0 | 0 | 577 | 0.000000e+00 | 3.337624e-10 |
| **23** | Lock | 11 | 6.023 | 0 | 0 | 544 | 0.000000e+00 | 3.146737e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 376 | 0.000000e+00 | 2.174951e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 233 | 0.000000e+00 | 1.347775e-10 |
| **26** | Lock | 13 | 3.011 | 0 | 0 | 67 | 0.000000e+00 | 3.875577e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 25 | 0.000000e+00 | 1.446111e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 42 | 0.000000e+00 | 2.429466e-11 |
| **29** | Lock | 30 | 6.023 | 0 | 0 | 25 | 0.000000e+00 | 1.446111e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 12 | 0.000000e+00 | 6.941332e-12 |
| **31** | Lock | 31 | 6.023 | 0 | 0 | 6 | 0.000000e+00 | 3.470666e-12 |

# L2 Traffic Test Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Frame Size** | **Tx Count** | **Rx Count** | **Loss Count** | **Loss %** |
| **64** | 143103581098 | 143103581098 | 0 | 0.0 |
| **128** | 81495842624 | 81495842624 | 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 | 00:01:00.098921788 | 00:01:00.108086348 |
| framesSent | 71546335454 | 71557245644 |
| framesReceived | 71546335454 | 71557245644 |
| bitsSent | 36631723752448 | 36637309769728 |
| bitsReceived | 36637309769728 | 36631723752448 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 7704 | 18474 |
| fecMaxSymbolErrors | 2 | 2 |
| fecCorrectedCodewords | 7700 | 18366 |
| fecTotalCodewords | 9847906864 | 9847516032 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 1.438048e-10 | 3.448541e-10 |
| fecMaxSymbolErrorsBin0 | 9847899164 | 9847497666 |
| fecMaxSymbolErrorsBin1 | 7696 | 18258 |
| fecMaxSymbolErrorsBin2 | 4 | 108 |
| 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 | 48079137425088 | 48086469072768 |
| l1BitsReceived | 48086469072768 | 48079137425088 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2280278 | 85897062537 |
| averageLatency | 2280284 | 537953 |
| maxLatency | 2280289 | 85897062549 |
| Loss\_Frames | 0 | 0 |
| Loss% | 0.0 | 0.0 |

# Port Statistics - 128

|  |  |  |
| --- | --- | --- |
| **Port Statistics** | **Port 1,1,3** | **Port 1,1,4** |
| link | link up | link up |
| lineSpeed | 800000 | 800000 |
| transmitDuration | 00:01:00.305173065 | 00:01:00.308674185 |
| framesSent | 40746738502 | 40749104122 |
| framesReceived | 40746738502 | 40749104122 |
| bitsSent | 41724660226048 | 41727082620928 |
| bitsReceived | 41727082620928 | 41724660226048 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 7622 | 18571 |
| fecMaxSymbolErrors | 2 | 2 |
| fecCorrectedCodewords | 7618 | 18448 |
| fecTotalCodewords | 9879219648 | 9878923440 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 1.418232e-10 | 3.455626e-10 |
| fecMaxSymbolErrorsBin0 | 9879212030 | 9878904992 |
| fecMaxSymbolErrorsBin1 | 7614 | 18325 |
| fecMaxSymbolErrorsBin2 | 4 | 123 |
| 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 | 48244138386368 | 48246939280448 |
| l1BitsReceived | 48246939280448 | 48244138386368 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2280278 | 85897062537 |
| averageLatency | 2280284 | 56763712 |
| maxLatency | 2280289 | 85897062549 |
| Loss\_Frames | 0 | 0 |
| Loss% | 0.0 | 0.0 |