

Keysight Test Report

**PASS**

|  |  |
| --- | --- |
| Report Header: | Keysight Inc. |
| Report Date: | 2025/04/23 10:30:18 |
| Type: | Framed |

# SUMMARY

|  |  |
| --- | --- |
| IxOS Version | 10.00.1000.17 |
| Test Start Time | 2025/04/23 10:26:26 |
| Test End Time | 2025/04/23 10:30:17 |
| 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 | 9.035 | 0.0 | 0.0 | 3381.0 | 0.000000e+00 | 1.989948e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 75 | 0.000000e+00 | 4.454461e-11 |
| **1** | Lock | 0 | 0.0 | 0 | 0 | 26 | 0.000000e+00 | 1.544213e-11 |
| **2** | Lock | 17 | 0.0 | 0 | 0 | 9 | 0.000000e+00 | 5.345353e-12 |
| **3** | Lock | 1 | 0.0 | 0 | 0 | 5 | 0.000000e+00 | 2.969641e-12 |
| **4** | Lock | 18 | 0.0 | 0 | 0 | 153 | 0.000000e+00 | 9.016196e-11 |
| **5** | Lock | 2 | 0.0 | 0 | 0 | 58 | 0.000000e+00 | 3.417904e-11 |
| **6** | Lock | 19 | 0.0 | 0 | 0 | 6 | 0.000000e+00 | 3.535763e-12 |
| **7** | Lock | 3 | 3.011 | 0 | 0 | 9 | 0.000000e+00 | 5.303645e-12 |
| **8** | Lock | 4 | 3.011 | 0 | 0 | 165 | 0.000000e+00 | 9.723348e-11 |
| **9** | Lock | 20 | 3.011 | 0 | 0 | 142 | 0.000000e+00 | 8.367973e-11 |
| **10** | Lock | 5 | 3.011 | 0 | 0 | 29 | 0.000000e+00 | 1.708952e-11 |
| **11** | Lock | 21 | 3.011 | 0 | 0 | 39 | 0.000000e+00 | 2.298246e-11 |
| **12** | Lock | 22 | 3.011 | 0 | 0 | 7 | 0.000000e+00 | 4.125057e-12 |
| **13** | Lock | 6 | 3.011 | 0 | 0 | 9 | 0.000000e+00 | 5.303645e-12 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 852 | 0.000000e+00 | 5.020784e-10 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 812 | 0.000000e+00 | 4.785066e-10 |
| **18** | Lock | 25 | 3.011 | 0 | 0 | 200 | 0.000000e+00 | 1.178588e-10 |
| **19** | Lock | 9 | 0.0 | 0 | 0 | 178 | 0.000000e+00 | 1.048943e-10 |
| **20** | Lock | 10 | 3.011 | 0 | 0 | 52 | 0.000000e+00 | 3.064328e-11 |
| **21** | Lock | 26 | 9.035 | 0 | 0 | 82 | 0.000000e+00 | 4.788333e-11 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 7 | 0.000000e+00 | 4.087601e-12 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 10 | 0.000000e+00 | 5.839430e-12 |
| **24** | Lock | 12 | 0.0 | 0 | 0 | 211 | 0.000000e+00 | 1.232120e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 109 | 0.000000e+00 | 6.364979e-11 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 37 | 0.000000e+00 | 2.160589e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 24 | 0.000000e+00 | 1.401463e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 37 | 0.000000e+00 | 2.160589e-11 |
| **29** | Lock | 30 | 3.011 | 0 | 0 | 32 | 0.000000e+00 | 1.868618e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 2 | 0.000000e+00 | 1.167886e-12 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 4 | 0.000000e+00 | 2.318134e-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 | 124356.0 | 0.000000e+00 | 7.198513e-08 |
| **0** | Lock | 0 | 0.0 | 0 | 0 | 104 | 0.000000e+00 | 6.027148e-11 |
| **1** | Lock | 16 | 0.0 | 0 | 0 | 63 | 0.000000e+00 | 3.651061e-11 |
| **2** | Lock | 1 | 6.023 | 0 | 0 | 4 | 0.000000e+00 | 2.318134e-12 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 3 | 0.000000e+00 | 1.738600e-12 |
| **4** | Lock | 18 | 9.035 | 0 | 0 | 229 | 0.000000e+00 | 1.327132e-10 |
| **5** | Lock | 2 | 6.023 | 0 | 0 | 120 | 0.000000e+00 | 6.954402e-11 |
| **6** | Lock | 19 | 6.023 | 0 | 0 | 13 | 0.000000e+00 | 7.533935e-12 |
| **7** | Lock | 3 | 6.023 | 0 | 0 | 4 | 0.000000e+00 | 2.318134e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 347 | 0.000000e+00 | 2.010981e-10 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 652 | 0.000000e+00 | 3.778558e-10 |
| **10** | Lock | 21 | 6.023 | 0 | 0 | 69 | 0.000000e+00 | 3.998781e-11 |
| **11** | Lock | 5 | 9.035 | 0 | 0 | 144 | 0.000000e+00 | 8.345282e-11 |
| **12** | Lock | 6 | 3.011 | 0 | 0 | 22 | 0.000000e+00 | 1.274974e-11 |
| **13** | Lock | 22 | 6.023 | 0 | 0 | 51 | 0.000000e+00 | 2.955621e-11 |
| **14** | Lock | 7 | 6.023 | 0 | 0 | 4 | 0.000000e+00 | 2.318134e-12 |
| **15** | Lock | 23 | 3.011 | 0 | 0 | 4 | 0.000000e+00 | 2.318134e-12 |
| **16** | Lock | 24 | 3.011 | 0 | 0 | 40092 | 0.000000e+00 | 2.323466e-08 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 39974 | 0.000000e+00 | 2.316627e-08 |
| **18** | Lock | 25 | 6.023 | 0 | 0 | 12747 | 0.000000e+00 | 7.387313e-09 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 10433 | 0.000000e+00 | 6.046273e-09 |
| **20** | Lock | 10 | 0.0 | 0 | 0 | 6139 | 0.000000e+00 | 3.531216e-09 |
| **21** | Lock | 26 | 3.011 | 0 | 0 | 8744 | 0.000000e+00 | 5.029638e-09 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 874 | 0.000000e+00 | 5.027337e-10 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 1303 | 0.000000e+00 | 7.494989e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 674 | 0.000000e+00 | 3.876917e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 403 | 0.000000e+00 | 2.318097e-10 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 160 | 0.000000e+00 | 9.203364e-11 |
| **27** | Lock | 29 | 0.0 | 0 | 0 | 71 | 0.000000e+00 | 4.083993e-11 |
| **28** | Lock | 30 | 0.0 | 0 | 0 | 359 | 0.000000e+00 | 2.065005e-10 |
| **29** | Lock | 14 | 0.0 | 0 | 0 | 452 | 0.000000e+00 | 2.599950e-10 |
| **30** | Lock | 31 | 3.011 | 0 | 0 | 41 | 0.000000e+00 | 2.358362e-11 |
| **31** | Lock | 15 | 3.011 | 0 | 0 | 57 | 0.000000e+00 | 3.278698e-11 |

# 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 | 3457.0 | 0.000000e+00 | 2.000352e-09 |
| **0** | Lock | 16 | 3.011 | 0 | 0 | 69 | 0.000000e+00 | 4.020320e-11 |
| **1** | Lock | 0 | 0.0 | 0 | 0 | 16 | 0.000000e+00 | 9.322482e-12 |
| **2** | Lock | 17 | 0.0 | 0 | 0 | 8 | 0.000000e+00 | 4.661241e-12 |
| **3** | Lock | 1 | 0.0 | 0 | 0 | 3 | 0.000000e+00 | 1.747965e-12 |
| **4** | Lock | 18 | 0.0 | 0 | 0 | 155 | 0.000000e+00 | 9.031155e-11 |
| **5** | Lock | 2 | 0.0 | 0 | 0 | 73 | 0.000000e+00 | 4.253383e-11 |
| **6** | Lock | 19 | 0.0 | 0 | 0 | 7 | 0.000000e+00 | 4.078586e-12 |
| **7** | Lock | 3 | 3.011 | 0 | 0 | 8 | 0.000000e+00 | 4.661241e-12 |
| **8** | Lock | 4 | 3.011 | 0 | 0 | 156 | 0.000000e+00 | 9.089420e-11 |
| **9** | Lock | 20 | 3.011 | 0 | 0 | 154 | 0.000000e+00 | 8.972889e-11 |
| **10** | Lock | 5 | 3.011 | 0 | 0 | 25 | 0.000000e+00 | 1.456638e-11 |
| **11** | Lock | 21 | 3.011 | 0 | 0 | 40 | 0.000000e+00 | 2.330621e-11 |
| **12** | Lock | 22 | 3.011 | 0 | 0 | 5 | 0.000000e+00 | 2.891613e-12 |
| **13** | Lock | 6 | 3.011 | 0 | 0 | 1 | 0.000000e+00 | 5.783226e-13 |
| **14** | Lock | 23 | 6.023 | 0 | 0 | 1 | 0.000000e+00 | 5.783226e-13 |
| **15** | Lock | 7 | 6.023 | 0 | 0 | 1 | 0.000000e+00 | 5.783226e-13 |
| **16** | Lock | 24 | 9.035 | 0 | 0 | 875 | 0.000000e+00 | 5.060323e-10 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 856 | 0.000000e+00 | 4.950441e-10 |
| **18** | Lock | 25 | 3.011 | 0 | 0 | 219 | 0.000000e+00 | 1.266526e-10 |
| **19** | Lock | 9 | 0.0 | 0 | 0 | 166 | 0.000000e+00 | 9.600155e-11 |
| **20** | Lock | 10 | 3.011 | 0 | 0 | 70 | 0.000000e+00 | 4.048258e-11 |
| **21** | Lock | 26 | 9.035 | 0 | 0 | 74 | 0.000000e+00 | 4.279587e-11 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 8 | 0.000000e+00 | 4.626581e-12 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 8 | 0.000000e+00 | 4.626581e-12 |
| **24** | Lock | 12 | 0.0 | 0 | 0 | 212 | 0.000000e+00 | 1.216796e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 107 | 0.000000e+00 | 6.141378e-11 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 43 | 0.000000e+00 | 2.468030e-11 |
| **27** | Lock | 29 | 6.023 | 0 | 0 | 22 | 0.000000e+00 | 1.262713e-11 |
| **28** | Lock | 14 | 3.011 | 0 | 0 | 43 | 0.000000e+00 | 2.468030e-11 |
| **29** | Lock | 30 | 3.011 | 0 | 0 | 25 | 0.000000e+00 | 1.434901e-11 |
| **30** | Lock | 15 | 0.0 | 0 | 0 | 0 | 0.000000e+00 | 0.000000e+00 |
| **31** | Lock | 31 | 0.0 | 0 | 0 | 7 | 0.000000e+00 | 4.017724e-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 | 126608.0 | 0.000000e+00 | 7.212650e-08 |
| **0** | Lock | 0 | 0.0 | 0 | 0 | 92 | 0.000000e+00 | 5.280437e-11 |
| **1** | Lock | 16 | 0.0 | 0 | 0 | 59 | 0.000000e+00 | 3.386367e-11 |
| **2** | Lock | 1 | 6.023 | 0 | 0 | 2 | 0.000000e+00 | 1.147921e-12 |
| **3** | Lock | 17 | 3.011 | 0 | 0 | 4 | 0.000000e+00 | 2.295842e-12 |
| **4** | Lock | 18 | 9.035 | 0 | 0 | 226 | 0.000000e+00 | 1.297151e-10 |
| **5** | Lock | 2 | 6.023 | 0 | 0 | 113 | 0.000000e+00 | 6.485754e-11 |
| **6** | Lock | 19 | 6.023 | 0 | 0 | 13 | 0.000000e+00 | 7.461487e-12 |
| **7** | Lock | 3 | 6.023 | 0 | 0 | 6 | 0.000000e+00 | 3.443763e-12 |
| **8** | Lock | 20 | 3.011 | 0 | 0 | 325 | 0.000000e+00 | 1.865372e-10 |
| **9** | Lock | 4 | 3.011 | 0 | 0 | 662 | 0.000000e+00 | 3.799619e-10 |
| **10** | Lock | 21 | 6.023 | 0 | 0 | 68 | 0.000000e+00 | 3.902932e-11 |
| **11** | Lock | 5 | 9.035 | 0 | 0 | 162 | 0.000000e+00 | 9.298161e-11 |
| **12** | Lock | 6 | 3.011 | 0 | 0 | 41 | 0.000000e+00 | 2.353238e-11 |
| **13** | Lock | 22 | 6.023 | 0 | 0 | 60 | 0.000000e+00 | 3.443763e-11 |
| **14** | Lock | 7 | 6.023 | 0 | 0 | 5 | 0.000000e+00 | 2.869803e-12 |
| **15** | Lock | 23 | 3.011 | 0 | 0 | 3 | 0.000000e+00 | 1.721882e-12 |
| **16** | Lock | 24 | 3.011 | 0 | 0 | 40686 | 0.000000e+00 | 2.317558e-08 |
| **17** | Lock | 8 | 3.011 | 0 | 0 | 41159 | 0.000000e+00 | 2.344501e-08 |
| **18** | Lock | 25 | 6.023 | 0 | 0 | 12872 | 0.000000e+00 | 7.332155e-09 |
| **19** | Lock | 9 | 3.011 | 0 | 0 | 10611 | 0.000000e+00 | 6.044243e-09 |
| **20** | Lock | 10 | 0.0 | 0 | 0 | 6180 | 0.000000e+00 | 3.520255e-09 |
| **21** | Lock | 26 | 3.011 | 0 | 0 | 8687 | 0.000000e+00 | 4.948293e-09 |
| **22** | Lock | 11 | 3.011 | 0 | 0 | 875 | 0.000000e+00 | 4.984179e-10 |
| **23** | Lock | 27 | 3.011 | 0 | 0 | 1441 | 0.000000e+00 | 8.208231e-10 |
| **24** | Lock | 12 | 3.011 | 0 | 0 | 722 | 0.000000e+00 | 4.112660e-10 |
| **25** | Lock | 28 | 3.011 | 0 | 0 | 415 | 0.000000e+00 | 2.363925e-10 |
| **26** | Lock | 13 | 0.0 | 0 | 0 | 141 | 0.000000e+00 | 8.031649e-11 |
| **27** | Lock | 29 | 0.0 | 0 | 0 | 73 | 0.000000e+00 | 4.158229e-11 |
| **28** | Lock | 30 | 0.0 | 0 | 0 | 350 | 0.000000e+00 | 1.993672e-10 |
| **29** | Lock | 14 | 0.0 | 0 | 0 | 434 | 0.000000e+00 | 2.472153e-10 |
| **30** | Lock | 31 | 3.011 | 0 | 0 | 46 | 0.000000e+00 | 2.620254e-11 |
| **31** | Lock | 15 | 3.011 | 0 | 0 | 75 | 0.000000e+00 | 4.272154e-11 |

# L2 Traffic Test Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Frame Size** | **Tx Count** | **Rx Count** | **Loss Count** | **Loss %** |
| **64** | 142960187862 | 142960187862 | 0 | 0.0 |
| **128** | 81249819759 | 81249819759 | 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 | 00:01:00.037852503 | 00:01:00.048705306 |
| framesSent | 71473633930 | 71486553932 |
| framesReceived | 71473633930 | 71486553932 |
| bitsSent | 36594500572160 | 36601115613184 |
| bitsReceived | 36601115613184 | 36594500572160 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 3317 | 118895 |
| fecMaxSymbolErrors | 1 | 2 |
| fecCorrectedCodewords | 3317 | 118312 |
| fecTotalCodewords | 9828616608 | 9828279552 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 6.203748e-11 | 2.223756e-09 |
| fecMaxSymbolErrorsBin0 | 9828613291 | 9828161240 |
| fecMaxSymbolErrorsBin1 | 3317 | 117729 |
| fecMaxSymbolErrorsBin2 | 0 | 583 |
| 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 | 48030282000960 | 48038964242304 |
| l1BitsReceived | 48038964242304 | 48030282000960 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2224364 | 85897118441 |
| averageLatency | 2224370 | 22474757 |
| maxLatency | 2224376 | 85897118453 |
| 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 | 00:01:00.123389625 | 00:01:00.126343782 |
| framesSent | 40623911853 | 40625907906 |
| framesReceived | 40623911853 | 40625907906 |
| bitsSent | 41598885737472 | 41600929695744 |
| bitsReceived | 41600929695744 | 41598885737472 |
| pcsSyncErrorsReceived | 0 | 0 |
| pcsRemoteFaultsReceived | 0 | 0 |
| pcsLocalFaultsReceived | 0 | 0 |
| fecTotalBitErrors | 3382 | 120436 |
| fecMaxSymbolErrors | 1 | 2 |
| fecCorrectedCodewords | 3382 | 119818 |
| fecTotalCodewords | 9930844800 | 9928263040 |
| fecFrameLossRatio | 0.000000e+00 | 0.000000e+00 |
| preFecBer | 6.260204e-11 | 2.229894e-09 |
| fecMaxSymbolErrorsBin0 | 9930841418 | 9928143222 |
| fecMaxSymbolErrorsBin1 | 3382 | 119200 |
| fecMaxSymbolErrorsBin2 | 0 | 618 |
| 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 | 48098711633952 | 48101074960704 |
| l1BitsReceived | 48101074960704 | 48098711633952 |
| transceiverTemp | 0 | 0 |
| encoding | PAM4 106G | PAM4 106G |
| fecStatus | KP4-FEC | KP4-FEC |
| transceiverVoltage | 0 | 0 |
| minLatency | 2224364 | 85897118441 |
| averageLatency | 2224370 | 12432858 |
| maxLatency | 2224376 | 85897118453 |
| Loss\_Frames | 0 | 0 |
| Loss% | 0.0 | 0.0 |