Keysight Test Report

PASS

Report Header:	Keysight Inc.
Report Date:	2025/06/02 22:21:36
Type:	Framed

SUMMARY

IxOS Version	10.00.1000.17
Test Start Time	2025/06/02 22:18:20
Test End Time	2025/06/02 22:21:36
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							
Manufacturer	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	Tx Optical	Tx Bias	Rx Optical	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						
Manufacturer	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	Tx Optical	Tx Bias	Rx Optical	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

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

BERT Statistics

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 - 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	1286.0	0.000000e+00	7.586170e-10
0	Lock	0	0.0	0	0	0	0.000000e+00	0.000000e+00
1	Lock	16	3.011	0	0	1	0.000000e+00	5.939941e-13
2	Lock	1	3.011	0	0	0	0.000000e+00	0.000000e+00
3	Lock	17	3.011	0	0	0	0.000000e+00	0.000000e+00
4	Lock	18	6.023	0	0	50	0.000000e+00	2.969970e-11
5	Lock	2	3.011	0	0	28	0.000000e+00	1.663183e-11
6	Lock	19	3.011	0	0	0	0.000000e+00	0.000000e+00
7	Lock	3	3.011	0	0	0	0.000000e+00	0.000000e+00
8	Lock	4	6.023	0	0	45	0.000000e+00	2.672973e-11
9	Lock	20	9.035	0	0	7	0.000000e+00	4.157959e-12
10	Lock	5	3.011	0	0	0	0.000000e+00	0.000000e+00
11	Lock	21	6.023	0	0	0	0.000000e+00	0.000000e+00
12	Lock	6	0.0	0	0	15	0.000000e+00	8.909911e-12
13	Lock	22	3.011	0	0	3	0.000000e+00	1.768142e-12
14	Lock	7	0.0	0	0	0	0.000000e+00	0.000000e+00
15	Lock	23	3.011	0	0	0	0.000000e+00	0.000000e+00
16	Lock	8	3.011	0	0	67	0.000000e+00	3.948850e-11
17	Lock	24	9.035	0	0	37	0.000000e+00	2.180708e-11
18	Lock	9	0.0	0	0	6	0.000000e+00	3.536283e-12
19	Lock	25	3.011	0	0	1	0.000000e+00	5.893806e-13
20	Lock	10	0.0	0	0	519	0.000000e+00	3.058885e-10
21	Lock	26	6.023	0	0	270	0.000000e+00	1.591327e-10
22	Lock	11	3.011	0	0	64	0.000000e+00	3.772036e-11
23	Lock	27	6.023	0	0	43	0.000000e+00	2.534336e-11
24	Lock	12	3.011	0	0	15	0.000000e+00	8.840708e-12
25	Lock	28	6.023	0	0	15	0.000000e+00	8.840708e-12
26	Lock	13	3.011	0	0	8	0.000000e+00	4.715044e-12
27	Lock	29	9.035	0	0	1	0.000000e+00	5.893806e-13
28	Lock	30	6.023	0	0	23	0.000000e+00	1.355575e-11
29	Lock	14	3.011	0	0	64	0.000000e+00	3.772036e-11
30	Lock	31	3.011	0	0	1	0.000000e+00	5.893806e-13
31	Lock	15	0.0	0	0	3	0.000000e+00	1.768142e-12

PCS Lane Statistics - 128

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	12.047	0.0	0.0	199.0	0.000000e+00	1.164342e-10
0	Lock	16	9.035	0	0	13	0.000000e+00	7.661947e-12
1	Lock	0	6.023	0	0	15	0.000000e+00	8.840708e-12
2	Lock	17	6.023	0	0	2	0.000000e+00	1.178761e-12
3	Lock	1	0.0	0	0	5	0.000000e+00	2.946903e-12
4	Lock	2	3.011	0	0	4	0.000000e+00	2.337270e-12
5	Lock	18	3.011	0	0	0	0.000000e+00	0.000000e+00
6	Lock	3	6.023	0	0	0	0.000000e+00	0.000000e+00
7	Lock	19	6.023	0	0	0	0.000000e+00	0.000000e+00
8	Lock	20	9.035	0	0	1	0.000000e+00	5.843176e-13
9	Lock	4	6.023	0	0	5	0.000000e+00	2.921588e-12
10	Lock	21	6.023	0	0	1	0.000000e+00	5.843176e-13
11	Lock	5	3.011	0	0	0	0.000000e+00	0.000000e+00
12	Lock	6	6.023	0	0	1	0.000000e+00	5.843176e-13
13	Lock	22	12.047	0	0	1	0.000000e+00	5.843176e-13
14	Lock	7	3.011	0	0	0	0.000000e+00	0.000000e+00
15	Lock	23	6.023	0	0	0	0.000000e+00	0.000000e+00
16	Lock	8	6.023	0	0	37	0.000000e+00	2.161975e-11
17	Lock	24	9.035	0	0	10	0.000000e+00	5.843176e-12
18	Lock	9	3.011	0	0	3	0.000000e+00	1.752953e-12
19	Lock	25	6.023	0	0	1	0.000000e+00	5.843176e-13
20	Lock	26	9.035	0	0	38	0.000000e+00	2.220407e-11
21	Lock	10	6.023	0	0	47	0.000000e+00	2.746293e-11
22	Lock	27	6.023	0	0	0	0.000000e+00	0.000000e+00
23	Lock	11	3.011	0	0	3	0.000000e+00	1.752953e-12
24	Lock	12	0.0	0	0	4	0.000000e+00	2.337270e-12
25	Lock	28	0.0	0	0	3	0.000000e+00	1.752953e-12
26	Lock	13	3.011	0	0	2	0.000000e+00	1.159737e-12
27	Lock	29	6.023	0	0	0	0.000000e+00	0.000000e+00
28	Lock	14	3.011	0	0	2	0.000000e+00	1.159737e-12
29	Lock	30	6.023	0	0	1	0.000000e+00	5.798683e-13
30	Lock	15	3.011	0	0	0	0.000000e+00	0.000000e+00
31	Lock	31	6.023	0	0	0	0.000000e+00	0.000000e+00

L2 Traffic Test Summary

Frame Size	Tx Count	Rx Count	Loss Count	Loss %
128	81090883056	81090883056	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	00:01:00.005980023	00:01:00.008527067
framesSent	40544581041	40546302015
framesReceived	40544581041	40546302015
bitsSent	41517650985984	41519413263360
bitsReceived	41519413263360	41517650985984
pcsSyncErrorsReceived	0	0
pcsRemoteFaultsReceived	0	0
pcsLocalFaultsReceived	0	0
fecTotalBitErrors	1265	195
fecMaxSymbolErrors	1	1
fecCorrectedCodewords	1265	195
fecTotalCodewords	9839040848	9838360928
fecFrameLossRatio	0.000000e+00	0.000000e+00
preFecBer	2.363409e-11	3.643451e-12
fecMaxSymbolErrorsBin0	9839039583	9838360733
fecMaxSymbolErrorsBin1	1265	195
fecMaxSymbolErrorsBin2	0	0
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	48004783952544	48006821585760
l1BitsReceived	48006821585760	48004783952544
transceiverTemp	0	0
encoding	PAM4 106G	PAM4 106G
fecStatus	KP4-FEC	KP4-FEC
transceiverVoltage	0	0
minLatency	2325843	85897016968
averageLatency	2325850	57051782
maxLatency	2325855	85897016980
Loss_Frames	0	0
Loss%	0.0	0.0