QSFP+-SFP+-DAC-3m
40G QSFP+ to 10G SFP+ Direct Attach Copper Cables

FC CE RoHS

Product Features

-Single power supply +3.3V;

-Hot-pluggable electrical interface;

-Low insertion loss, crosstalk ;

-4 duplex lanes active optical cable at 10Gbps;

-SFF-8436 QSFP+ compliant;

-SFF-8431 SFP+ compliant;

- RoHS compliant;

- All-metal housing for superior EMI performance;

- Operating Case Temperature: 0℃~+70℃;

- Storage Temperature: -40℃~+85℃;

Product Description

LR-LINK QSFP+-SFP+-DAC-3m is the preferred solution for 10G speed short-range data transmission with low power consumption, good stability and high cost performance.The QSFP+ to SFP+ passive cable is used for data transfer between a 40G QSFP+ one port and one 10G SFP+ ports, providing a low-cost solution for data transfer services within and between data center racks.This product complies with the SFF-8436, QSFP+ MSA and IEEE 802.3ba standards.

QSFP+-SFP+-DAC-3m is the preferred solution for short-distance data transmission at 10G rate. It complies with SFF-8436, QSFP MSA and IEEE 802.3ae standards, and is suitable for data transmission within and between racks in data centers.

Technical parameter

<table>
<tr><td colspan="6" align="center">Absolute Maximum Ratings</td></tr>
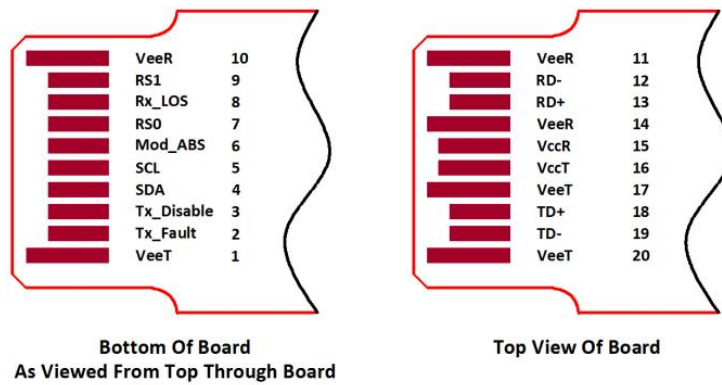<tr><td align="center">Parameter</td><td align="center">Symbol</td><td align="center">Min.</td><td align="center">Typical</td><td align="center">Max.</td><td align="center">Unit</td></tr>
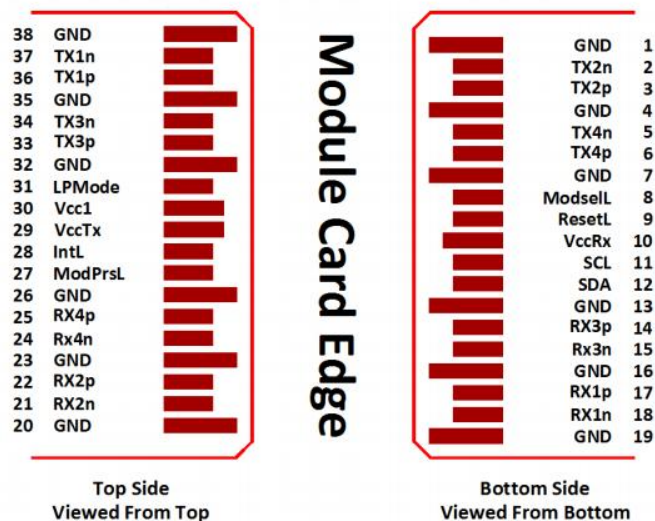<tr><td>Storage Temperature</td><td align="center">T_{ST}</td><td align="center">-40</td><td align="center">-</td><td align="center">85</td><td align="center">℃</td></tr>
<tr><td>Operating temperature</td><td align="center">T_{OPC}</td><td align="center">0</td><td align="center">-</td><td align="center">70</td><td align="center">℃</td></tr>
</table>

Order Information

P/N	Description	Length
QSFP+-SFP+-DAC-3m	40G QSFP+ to 10G SFP+ Direct Attach Copper Cables	3m

PS: Above details are only for reference, if there is any change,no prior notice.

SFP+ Module Pad Layout

VeeR	10
RS1	9
Rx_LOS	8
RS0	7
Mod_ABS	6
SCL	5
SDA	4
Tx_Disable	3
Tx_Fault	2
VeeT	1

Bottom Of Board
As Viewed From Top Through Board

VeeR	11
RD-	12
RD+	13
VeeR	14
VccR	15
VccT	16
VeeT	17
TD+	18
TD-	19
VeeT	20

Top View Of Board

QSFP+ Module Pad Layout

38	GND
37	TX1n
36	TX1p
35	GND
34	TX3n
33	TX3p
32	GND
31	LPMode
30	Vcc1
29	VccTx
28	IntL
27	ModPrsL
26	GND
25	RX4p
24	Rx4n
23	GND
22	RX2p
21	RX2n
20	GND

Module Card Edge

GND	1
TX2n	2
TX2p	3
GND	4
TX4n	5
TX4p	6
GND	7
ModselL	8
ResetL	9
VccRx	10
SCL	11
SDA	12
GND	13
RX3p	14
Rx3n	15
GND	16
RX1p	17
RX1n	18
GND	19

Top Side
Viewed From Top

Bottom Side
Viewed From Bottom

SFP+ Pin Definitions

Pin	Name	Function/Description
1	VeeT	Transmitter Ground
2	TX_Fault	N/A
3	TX_Disable	Transmitter Disable
4	SDA	Two Wire Serial Interface Data Line
5	SCL	Two Wire Serial Interface Clock
6	Mod_ABS	Module Absent, connected to VeeT or VeeR
7	RS0	N/A
8	Rx_LOS	Receiver Loss of Signal Indication
9	RS1	N/A
10	VeeR	Receiver Ground
11	VeeR	Receiver Ground
12	RD-	Receiver Inverted Data Output
13	RD+	Receiver Non-Inverted Data Output
14	VeeR	Receiver Ground
15	VccR	Receiver 3.3 V Supply
16	VccT	Transmitter 3.3 V Supply
17	VeeT	Transmitter Ground
18	TD+	Transmitter Non-Inverted Data Input
19	TD-	Transmitter Inverted Data Input
20	VeeT	Transmitter Ground

QSFP+ Pin Definitions

Pin	Name	Function/Description
1	GND	Ground
2	Tx2n	Transmitter Inverted Data Input
3	Tx2p	Transmitter Non-Inverted Data Input
4	GND	Ground
5	Tx4n	Transmitter Inverted Data Input
6	Tx4p	Transmitter Non-Inverted Data Input
7	GND	Ground
8	ModSell	Module Select
9	ResetL	Module Reset
10	Vcc Rx	+3.3V Power Supply Receiver
11	SCL	2-wire serial interface clock
12	SDA	2-wire serial interface data
13	GND	Ground
14	Rx3p	Receiver Non-Inverted Data Output
15	Rx3n	Receiver Inverted Data Output
16	GND	Ground
17	Rx1p	Receiver Non-Inverted Data Output
18	Rx1n	Receiver Inverted Data Output
19	GND	Ground
20	GND	Ground
21	Rx2n	Receiver Inverted Data Output
22	Rx2p	Receiver Non-Inverted Data Output
23	GND	Ground

24	Rx4n	Receiver Inverted Data Output
25	Rx4p	Receiver Non-Inverted Data Output
26	GND	Ground
27	ModPrsL	Module Present
28	IntL	Interrupt
29	Vcc Tx	+3.3V Power supply transmitter
30	Vcc1	+3.3V Power supply
31	LPMode	Low Power Mode
32	GND	Ground
33	Tx3p	Transmitter Non-Inverted Data Input
34	Tx3n	Transmitter Inverted Data Input
35	GND	Ground
36	Tx1p	Transmitter Non-Inverted Data Input
37	Tx1n	Transmitter Inverted Data Input
38	GND	Ground