

Product Specification Sheet

OLCS001XC-CNM_x

SFP+ Direct Attach Passive Copper Cables , 1m、 3m、 5m,7m, 10m Reach



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Product Features

- Support for multi-gigabit data rates up to 10.5Gbps
- Data rates backward compatible to 1Gbps
- Hot-pluggable SFP 20 PINs footprint
- I/O Connector designed for high speed differential signal applications
- Improved Pluggable Form Factor(IPF) compliant for enhanced EMI/EMC performance
- Compatible to SFP+ MSA
- Available lengths (in meters): 0.5,1, 3, 5,7,10
- RoHS compliant
- Power Supply :+3.3V
- Case operating temperature:
Commercial: 0°C to +70°C

Applications

- High capacity I/O in Storage Area Networks, Network Attached Storage, and Storage Servers
- Switched fabric I/O such as ultra high bandwidth switches and routers
- InfiniBand SDR, DDR, QDR
- Data center cabling infrastructure
- High density connections between networking equipment
- 10G Ethernet Data Center Intra-Rack and Inter-Rack links

Product Description

The DAC SFP+ cable assemblies are high-performance, cost effective I/O solutions for 10Gb Ethernet and 10G Fibre Channel applications. SFP+ copper modules allow hardware manufacturers to achieve high port density, configurability and utilization at a very low cost and to reduce power budget. The high-speed cable assemblies meet and exceed the performance and reliability requirements stipulated by Gigabit Ethernet and Fibre Channel industry standard..

Recommended Operating Conditions

Parameter	Symbol	Min	Typical	Max	Unit
Storage Ambient Temperature		-10		+85	°C
Operating Case Temperature	Tc	0		70	°C
Power Supply Voltage	VCC3	3.14	3.3	3.47	V
Power Dissipation	PD			0.02	W

Note:

Assumes no mechanical load force on the unit. Ensuring no mechanical load force requires a cable bend radius of >105 mm within 100 mm of either cable and SFP+ end and >60 mm on the rest of the cable. Otherwise, the storage temperature range is -20 to 75°C.

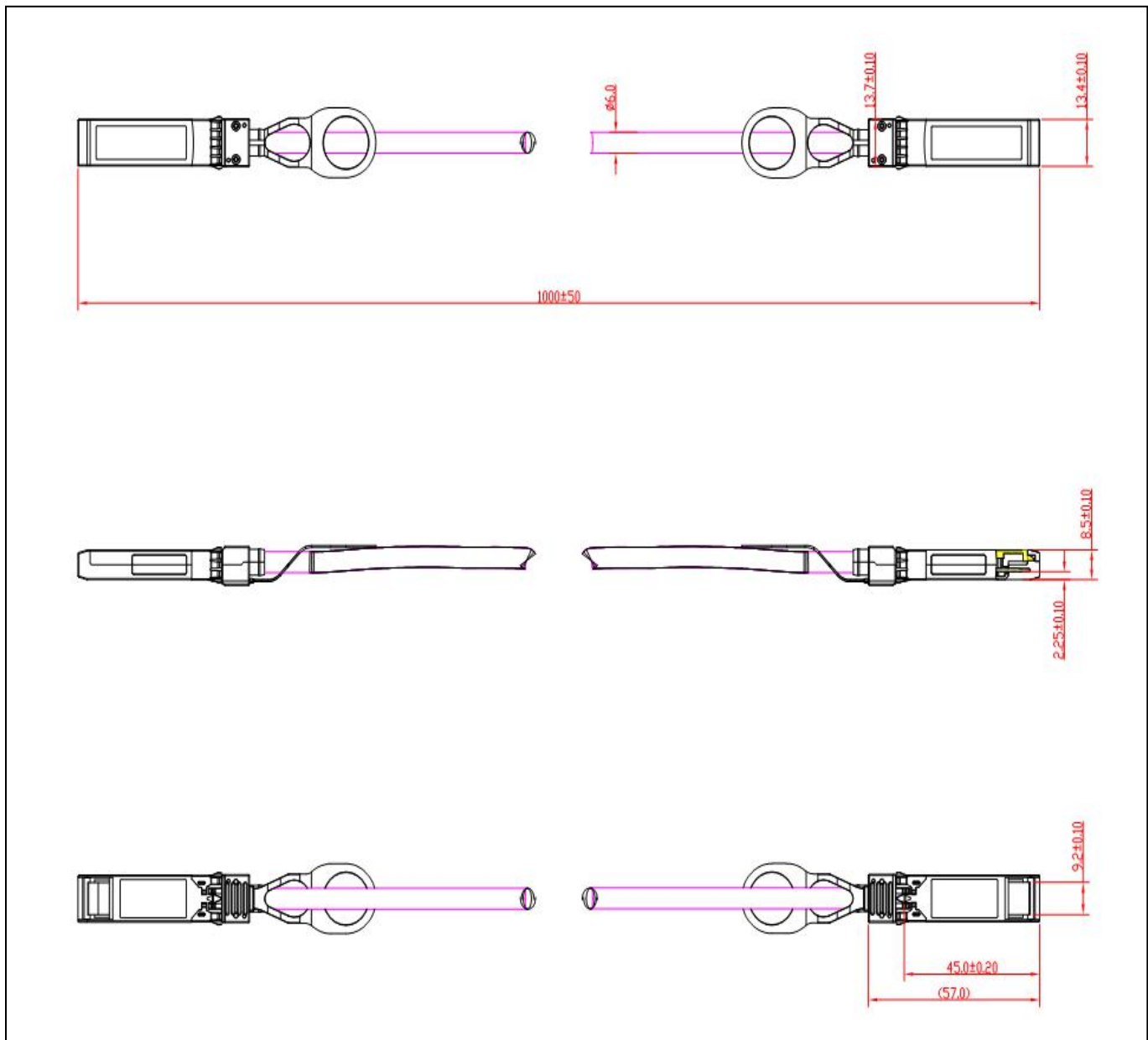
Pin Descriptions

PIN	Logic	Symbol	Name/Description	Notes
1		VeeT	Tx ground	
2	LV-TTL-O	Tx Fault	N/A	1
3	LV-TTL-I	Tx Disable	Transmitter Disable	2
4	LV-TTL-I/O	SDA	Tow Wire Serial Data	
5	LV-TTL-I	SCL	Tow Wire Serial Clock	
6		MOD-DEF0	Module present, connect to VeeT	
7	LV-TTL-I	RS0	N/A	1
8	LV-TTL-O	LOS	LOS of Signal	2
9	LV-TTL-I	N/A	N/A	1
10		VeeR	Rx ground	
11		VeeR	Rx ground	
12	CML-O	RD-	Reciever Data Inverted	
13	CML-O	RD+	Reciever Data Non-Inverted	
14		VeeR	Rx ground	
15		VccR	Rx power supply	
16		VccT	Tx power supply	
17		VeeT	Tx ground	
18	CML-I	TD+	Transmitter Data Non-Inverted	
19	CML-I	TD-	Transmitter Data Inverted	
20		VeeT	Transmitter Ground	

Notes:

1. Signals not supported in SFP+ Copper pulled-down to VeeT with 30K ohms resistor
2. Passive cable assemblies do not support LOS and TX_DIS

Mechanical Dimensions



Ordering Information

Part	Description
OLCS001XC-CNMx	SFP+ Direct Attach Passive Cable (10GSFP+Cu), 1m, 3m,5m,7m,10m AWG:30, 0°C ~ +70°C
x means	1=1m,3=3m,5=5m,7=7m,10=10m

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by company before they become applicable to any particular order or contract. In accordance with company policy of continuous improvement specifications may change without notice. The publication of information in this data sheet does not imply freedom from patent or other protective rights of company or others. Further details are available from any company sales representative.

For More Information

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