

10G SFP+ Active Copper Cable

Features:

Support for multigigabit data rates up to 10.5Gbps
 Data rates backward compatible to 1Gbps
 Support for 1x, 2x, 4x and 8x Fibre Channel data rates
 Hotpluggable SFP 20PIN footprint
 I/O Connector designed for high speed differential signal applications
 Improved Pluggable FormFactor(IPF) compliant for enhanced EMI/EMC performance
 Low Power Consumption < 0.5W
 Power Supply :+3.3V
 Compatible to SFP+ MSA
 Temperature Range: 0~ 70 °C
 RoHS Compatible



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
 Data center cabling infrastructure
 High density connections between networking equipment

Description:

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

Recommended Operating Conditions:

Parameter	Symbol	Min	Typical	Max	Unit
Storage Ambient Temperature		40		+85	°C
Operating Case Temperature	Tc	0		+70	°C
Power Supply Voltage	Vcc3	3.14	3.3	3.47	V
Power Dissipation	PD			0.5	W

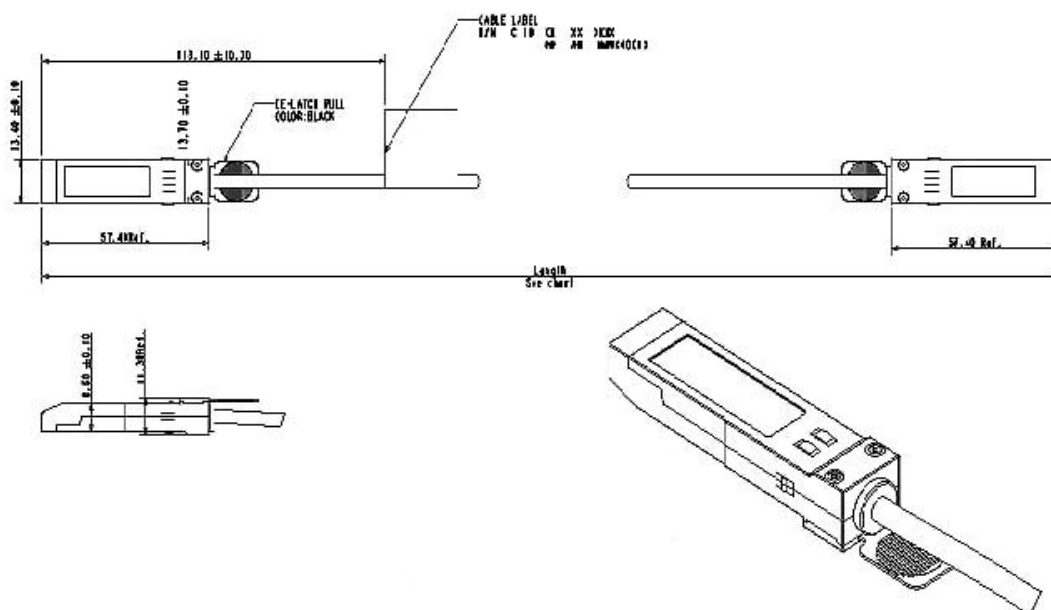
Systems:

	Media	Operating parameters
10.5 Gbps line speed, full duplex Bit error rate: better than 10E12	Hotpluggable, industrystandard Small FormFactor Pluggable(SFP+) copper cable, available max 10m	Supply voltage: 3.3V Power consumption(per end): max 0.5W

Pin Descriptions:

	Logic	Symbol	Name/Description	Notes
1		VeeT	Transmitter Ground	
2	LVTTL0	TX_Fault	N/A	1
3	LVTTL1	TX_DIS	Transmitter Disable	
4	LVTTLI/O	SDA	Tow Wire Serial Data	
5	LVTTLI	SCL	Tow Wire Serial Clock	
6		MOD_DEF0	Module present, connect to VeeT	
7	LVTTLI	RS0	N/A	1
8	LVTTL0	LOS	LOS of Signal	
9	LVTTLI	RS1	N/A	1
10		VeeR	Reciever Ground	
11		VeeR	Reciever Ground	
12	CMLO	RD	Reciever Data Inverted	
13	CMLO	RD+	Reciever Data NonInverted	
14		VeeR	Reciever Ground	
15		VccR	Reciever Supply 3.3V	
16		VccT	Transmitter Supply 3.3V	
17		VeeT	Transmitter Ground	
18	CMLI	TD+	Transmitter Data NonInverted	
19	CML_I	TD-	Transmitter Data Inverted	
20		VeeT	Transmitter Ground	

Mechanical Dimensions:



Ordering information:

T-SFP+-DAC-30-A1	1 meter 10G SFP+ Active Copper Cable 30AWG
T-SFP+-DAC-30-A1.5	1.5 meter 10G SFP+ Active Copper Cable 30AWG
T-SFP+-DAC-30-A2	2 meter 10G SFP+ Active Copper Cable 30AWG
T-SFP+-DAC-30-A3	3 meter 10G SFP+ Active Copper Cable 30AWG
T-SFP+-DAC-24-A3	3 meter 10G SFP+ Active Copper Cable 24AWG
T-SFP+-DAC-24-A5	5 meter 10G SFP+ Active Copper Cable 24AWG
T-SFP+-DAC-24-A7	7 meter 10G SFP+ Active Copper Cable 24AWG
T-SFP+-DAC-24-A10	10 meter 10G SFP+ Active Copper Cable 24AWG

Notice:

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