

Direct Attach Copper (DAC) Cable

25G SFP28



Key Features

- Support 25.78125G NRZ
- Single Wire Size: 26AWG~30AWG
- Maximum power consumption:<0.05W each end
- Case temperature range: 0°C to 70°C
- 3.3V Power Supply
- Hot Pluggable
- BER < 10⁻¹²
- RoHS Compliance
- InfiniBand EDR compatible

Applications

- Data center & Networking Equipment
- Servers/Storage Devices
- High Performance Computing (HPC)
- Switches/Routers



Supported Standards

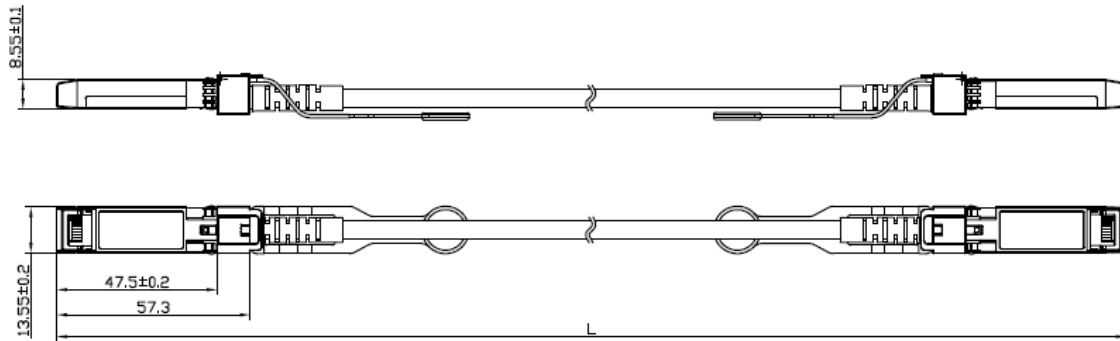
- SFP28 MSA
- SFF 8432,SFF 8402
- IEEE 802.3by
- IEEE 802.3bj

Ordering Information

LEPP-UU1xxxC		25G SFP28 to 25G SFP28 DAC (0.5m~5m)			
Ordering P/Ns	Description	Length	AWG	Cable	
LEPP-UU1005C	25G SFP28 to 25G SFP28 DAC	0.5m	30 AWG	PVC Black	
LEPP-UU1035C	25G SFP28 to 25G SFP28 DAC	3.5 m	26AWG	PVC Black	
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LEPP-UU1050C	25G SFP28 to 25G SFP28 DAC	5.0 m	26AWG	PVC Black	

xxx define DAC cable length

Mechanical Outline



Absolute Maximum Ratings

Parameter	Symbol	Unit	Min.	Typ.	Max.	Notes
Supply Voltage	Vcc	V	-0.4	-	+3.6	
Storage Temperature	TS	°C	-40	-	85	
Operating Case temperature	TOP	°C	0	-	70	
Operating Humidity	RH	%	5	-	85	

Recommended Operating Conditions

Parameter	Unit	Min.	Typ.	Max.	Notes
Operating Case Temperature	°C	0		70	
Supply Voltage	V	3.135	3.3	3.465	
Bit Rate	Gb/s		25		

SFP28 PIN Function Definitions

Pin	Logic	Symbol	Description
1		VeeT	Module Transmitter Ground
2	LVTTL-O	Tx_Fault	Module Transmitter Fault
3	LVTTL-I	Tx_DIS	Transmitter Disable; Active High Disable Transmitter Output
4	LVTTL-I/O	SDA	2-Wire Serial Interface Data
5	LVTTL-I/O	SCL	2-Wire Serial Interface Clock
6		Mod_ABS	Module Absent, connected to VeeT or VeeR in the module
7	LVTTL-I	RS0	Rate Select0, optionally controls SFP+ module receiver
8	LVTTL-O	RX_LOS	Receiver Loss of Signal Indication
9	LVTTL-I	RS1	Rate Select1, optionally controls SFP+ module transmitter
10		VeeR	Module Receiver Ground
11		VeeR	Module Receiver Ground
12	CML-O	RD-	Receiver Inverted Data Output
13	CML-O	RD+	Receiver Non-Inverted Data Output
14		VeeR	Module Receiver Ground
15		VccR	Module Receiver 3.3V Supply
16		VccT	Module Transmitter 3.3V Supply
17		VeeT	Module Transmitter Ground
18	CML-I	TD+	Transmitter Non-Inverted Data Input
19	CML-I	TD-	Transmitter Inverted Data Input
20		VeeT	Module Transmitter Ground

SFP28 Electrical Pad Layout

