

SFPP-PC

10GBASE, SFP+, Passive Copper Direct Attach Cable Assembly

Product Features

- Supports 1Gb/s to 10.5Gb/s bit rates
- Support 1x, 2x, 4x and 8x Fiber Channel data rates
- Hot-pluggable SFP 20PIN footprint
- AC coupling of PECL signals
- Improved Pluggable Form Factor (IPF) compliant for enhanced EMI/EMC performance
- Lower Power Consumption < 0.5W
- Power Supply: +3.3V
- Compatible to SFP+ MSA
- RoHS6 Compliant
- Available Temperature ranges:
 - 0°C to 70°C



Product Applications

- 10GBASE Ethernet
- 1G/2G/4G/8G Fiber Channel
- Data center cabling infrastructure
- Hubs, switches, routers, servers, NICs

I. Absolute Maximum Ratings

Exceeding the limits below may damage the transceiver module permanently.

Parameter	Symbol	Min.	Typ.	Max.	Units
Maximum Supply Voltage	Vcc	-0.5		4.0	V
Storage Temperature	Ts	-40		85	°C

II. Operating Specification

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Case Temperature	Top	0		70	°C
Supply Voltage	Vcc	3.14	3.3	3.47	V
Power Consumption	P			0.5	W
Data Rate		1		10.5	Gbps

III. Electrical Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Units	Notes
Supply Current	Icc			100	mA	1
Transmitter Differential Input Voltage (PECL)	V _{IN}	250		1200	mVpp	
Receiver Differential Output Voltage (PECL)	V _O	185		1000	mVpp	
Impedance	Z _{cable}	90	100	110	Ohms	
MOD-DEF1,2	V _{IH}	2.0		Vcc	V	

Notes:

1. The supply current includes SFP Module's supply current and test board working current.

IV. Ordering Information

Part Number Breakdown			
SFPP-PC-XX			
Parameter	Min	Max	Notes
Cable Gauge (AWG)	24	30	
Cable Length (meters)	0.5	10	XX
Platform Advantage	Multi-Vendor coding options available upon request		

Notes:

1. Please contact sales for custom cable lengths and specific OEM Platform part numbers to fit your network.

Warranty

<https://pivotaloptics.com/warranty/>

Disclaimer

External physical characteristics are subject to variation. This may include, but is not limited to, external case designs, pull tab colors and/or shapes, removal latch styles or colors, and label sizes and placement. These variations do not affect the function or characteristics of the transceivers.