CB-SFP+ Series

SFP+ 10G Direct Attach Passive Copper Cable, Male-to-Male, 30AWG

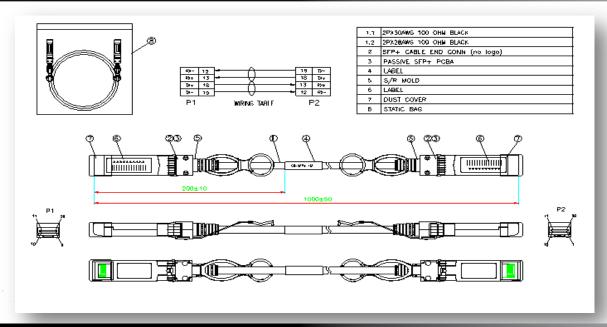
*** Cisco Compatible



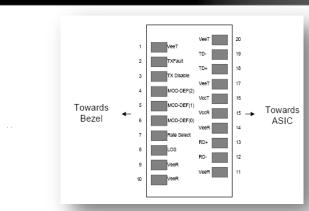
Features

- ► Hot Plug Swappable
- ► Low Power Consumption
- Compliant with SFP+ MSA and SFF-8431
- ► Backward Compatible to 1Gbps
- Cost Effective Solution as Compared to Fiber Transmissions
- Mating Application
- ► Available Models Up to 5 Meters

Dimensions (unit = mm)



PCB Contact Configuration



Antaira Technologies - Toll-Free: (877) 229-3665 - Phone: (714) 671-9000 - FAX: (714) 671-9944 - e-Mail: info@antaira.com - Website: http://www.antaira.com



Specifications

Material

Backshell Zinc alloy. Nickel plated over all 100u" Min

Plated: 100 u" min. nickel;

PCB contact plating Contact Area: 30 u" min. gold over nickel

Soldering Area: 100u" min tin over nickel

Raw Cable High Speed cable, 2 pairs, 100 +/- 5 ohms

Rating

 Voltage
 30VAC

 Current
 0.5A/Contact

Electrical

Contact Resistance EIA-364-06 - Max voltage of 320 mV DC and a current of 10mA

Insulation Resistance EIA-364-21 - 100 VDC (Min)

Dielectric Withstanding Voltage EIA-364-20 - AC 350V 1min, no breakdown or flash

Signal Integrity

Difference Waveform Dispersion Penalty 6.75dBe max VMA loss 4.4dBe max VMA Loss to Crosstalk Ratio 32.5dB min

Differential output/input reflection 0.01-4.1 GHz: -12 + 2 x SQRT(f) with f in GHz coefficient 4.1-11.1 GHz: -6.3 + 13 x log10(f/5.5) with f in GHz

Mechanical Characteristics

Mating Force50N Max. With retention latch disengagedUn-mating Force50N Max. With retention latch disengaged

Latch retention force 100N Min. with latch

Durability 250 cycles

Environmental Limits

Shock EIA 364-27 Test Condition H.
Vibration EIA-364-28 Condition VII, Condition D

Operating Temperature EIA-364-28 Condition VII, Condition I

Storage Temperature -40° to 85° C
Temperature Life +70°C for 500 hours

Humidity & Temperature cycling Between 25 and 65°C at 80% to 100% RH

Mixed Flowing Gas EIA-364-65, Class IIA

Visual Examination EIA-364-18

Ordering Information

CB-SFP+1M SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 1 Meter (3.3ft) 30AWG
CB-SFP+2M SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 2 Meter (6.6ft) 30AWG
CB-SFP+3M SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 3 Meter (9.8ft) 30AWG
CB-SFP+4M SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 4 Meter (13.1ft) 30AWG
CB-SFP+5M SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 5 Meter (16.4ft) 30AWG

