CFP4

Amphenol ICC's CFP4 series offers a 56 position, 0.6mm pitch connector and is used in multi-hundred Gb/s systems. It is comprised of insert molding assemblies for top side contacts and press-fit cage assemblies. Rated for 25Gb/s per channel with resonance dampening for improved signal integrity, CFP4 has up to 60% lower power consumption versus CFP. The CFP4 series includes a plug connector on the mating interface to improve accuracy and aid in delivering high speed performance. CFP4 has the ability to be a customized solution with an optional riding heat sink that ensures proper thermal dissipation. It is also compliant with IEEE and ITU-T applications.



TARGET MARKETS

TECHNICAL INFORMATION

MATERIAL

- Housing: Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic
- Contacts Base Material: Phosphor Bronze
- Plating Solder Tails: Matte tin
- Plating Mating Area: Gold
- Resonance Dampening Feature: Conductive Polymer

MECHANICAL PERFORMANCE

- Durability: 200 mating cycles
- Mating Force: 60 N max.
- Contact Normal Force: 40 grams
- PCB Thickness (Cage): 3.00 mm (0.118 in.)
- Unmating Force (Cage): 50 N
- Insertion Force to PCB (Cage) : 2 port – 2000N max.

ELECTRICAL PERFORMANCE

- Operating Voltage: 3.3 V DC per contact
- Operating Current: 1.87 A per contact

ENVIRONMENTAL

- Operating and (Storage) Temperature: -40°C to +85°C
- RoHS & Halogen-Free

TOOLING INFORMATION

- Configurations: 1X1, 1X2, 1X4

TARGET MARKETS/APPLICATIONS

Metro Area Networks

Carrier Networks and Data Centers
Large Data Center Campus Connectivity

PART NUMBER SELECTOR

CFP4 Host Connector

U99	C	056	X	0	0	T

Style	
C	CFP4 Connector

Number of Positions	
056	56 Positions

Contact Plating	
2	30 µ" (0.76 µm) Gold Plating on Mating Area; Matte Tin Plating on Termination
3	15 µ" (0.38 µm)Gold Plating on Mating Area; Matte Tin Plating on Termination

Packaging	
T	Tape & Reel

Option 2	
0	Standard

Option 1	
0	Standard

CFP4 Cage

U98	C	X	X	X	1	X	X	1

Style	
C	CFP4 Cage

Number of Port in row	
1	1X1
2	1X2
4	1X4

Heat SInk Options	
1	No Heat Sink & No Clip Shipped
2	Fin, Side to Side, Aluminum Alloy, Black Anodize Coating – 14mm
6	Fin, Side to Side, Aluminum Alloy, Black Anodize Coating – 11mm
B	Post, Aluminum Alloy, Black Anodized – 11mm
M	Fin, Front to Back, Aluminum Alloy, Black Anodize Coating – 14mm

Insulating Tape Option	
1	Standard (No Insulating Tape)
2	With Insulating Tape on Bottom Cage

Plating	
1	Nickel

Optional Dust Cover	
0	Without Dust Cover
D	With Dust Cover (Shipped Loose)

Connector Cover	
B	Without Connector Cover
C	With Connector Cover

Packaging	
1	Tray

HSIOCFP4CN022019LTR

Disclaimer
Please note that the above information is subject to change without notice.