

# 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.



## 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



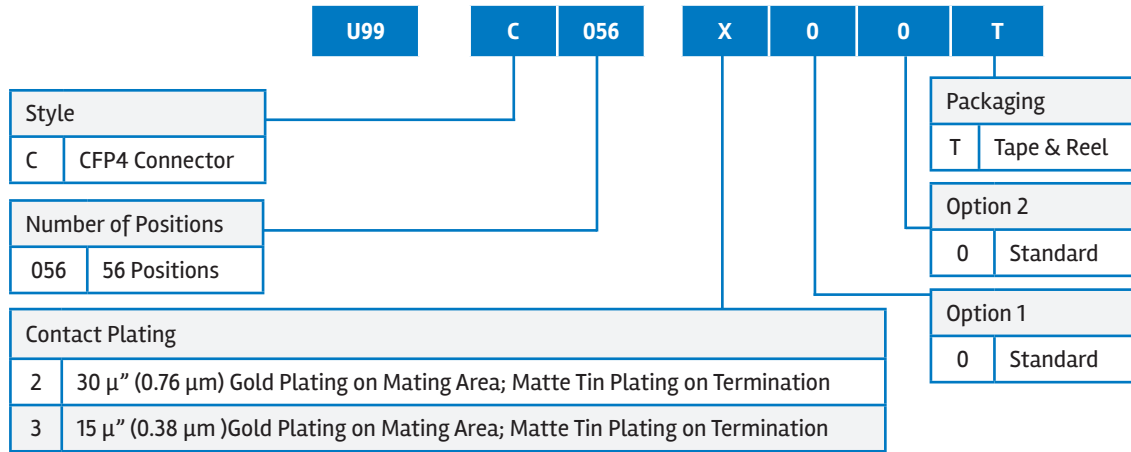
Metro Area Networks



Carrier Networks and Data Centers  
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# PART NUMBER SELECTOR

## CFP4 Host Connector



## CFP4 Cage

