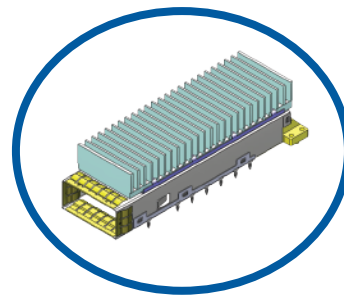
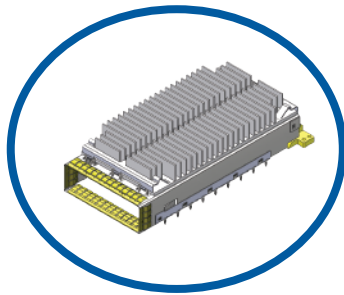


# CFP2 / CFP4

The CFP2 and CFP4 (surface mount receptacle connector) are considered as a candidate of future generation of multi hundred Gbps system. Both are 0.6mm pitch with the CFP2 having 104 positions and the CFP4 having 56 positions. They are rated for 28 Gbps per channel with resonance dampening for improved signal integrity. Both the CFP2 and CFP4 have a plug connector on the mating interface that improves accuracy and aids in achieving high speed performance.



## Specification Highlights

The CFP2 and CFP4 interconnect systems are comprised of insert molding assemblies for top side contacts and press-fit cage assemblies.

### Current Mechanical Characteristics

	CFP2	CFP4
• RSS Tolerance	0.19mmMin	
• Host Depth (mm)	84.5	67
• Host Height (mm)	12.9	10
• Ports in 365(445)mm Faceplate	8(10)	16(19)
• Max Insertion Force with Heat-sink:	6N	
• Max Insertion Force without Heat-sink:	4.5N	
• Max Withdrawal Force with Heat-sink:	5.4N	4.0N
• Max Withdrawal Force without Heat-sink:	3.9N	2.5N

### Materials

- Cage
  - Base Material: Copper Alloy
  - Heat Sink: Aluminum Alloy

### Options

- Heat Sink
- Dust Cover
- Connector Cover
- EMI Gasket

### Electrical Characteristics

- Operating Voltage: 3.3 V

## CFP2/CFP4 Host Connector

U99 - X - XXX - X 0 0 T

**U99** SERIES DESIGNATION

**X** STYLE  
 B - CFP2 Connector  
 C - CFP4 Connector

**XXX** NUMBER OF POSITIONS  
 104 - CFP2 Connector  
 056 - CFP4 Connector (To be Toolled)

**PACKAGING**  
 T - Tape and Reel Packaging

**OPTION 2**  
 0 - Standard

**OPTION 1**  
 0 - Standard

**CONTACT PLATING**  
 2 - 30 μm Gold Plating on Mating Area; Matte Tin Plating on Termination  
 3 - 15 μm Gold Plating on Mating Area; Matte Tin Plating on Termination

## CFP2/CFP4 Plug Connector

U56 - X - XXX - X 0 0 T

**U56** SERIES DESIGNATION

**X** STYLE  
 B - CFP2 Connector  
 C - CFP4 Connector

**XXX** NUMBER OF POSITIONS  
 104 - CFP2 Connector  
 056 - CFP4 Connector (To be Toolled)

**PACKAGING**  
 T - Tape and Reel Packaging

**OPTION 2**  
 0 - Standard

**OPTION 1**  
 0 - Standard

**CONTACT PLATING**  
 2 - 30 μm Gold Plating on Mating Area; Matte Tin Plating on Termination  
 3 - 15 μm Gold Plating on Mating Area; Matte Tin Plating on Termination

## CFP2/CFP4 Cage

U98 - X X X 0 - 0 0 X X

**U98** SERIES DESIGNATION

**X** STYLE  
 B - CFP2 single row  
 C - CFP4 single row

**X** NUMBER OF PORT IN ROW  
 1 - Nx1 ports  
 2 - Nx2 ports  
 3 - Nx3 ports (To be Toolled)  
 4 - Nx4 ports (To be Toolled)  
 6 - Nx6 ports (To be Toolled)

**X** HEAT SINK OPTION  
 1 - No Heat Sink and No Clip Shipped  
 2 - Fin Style (Black Oxide) Heat Sink and Clip (H=10.75mm)  
 \*Other custom heat sink options are available.

**PACKAGING**  
 1 - Tray Packaging  
 A - Tray Packaging; Heat Sink and Clip or Light Pipe Shipped Assembled

**CONNECTOR COVER**  
 0 - With Connector Cover and Kickout Springs  
 C - With Connector Cover, no Kickout Springs

**OPTIONAL DUST COVER**  
 0 - Without Dust Cover  
 D - With Dust Cover (Ship Loose)

**PLATING**  
 1 - Nickel  
 2 - Matte Tin

**APPLICATION**  
 1 - Press Fit Pins - 2.5 mm Long