

CFP2 & CFP4 PLUGGABLE I/O CONNECTORS & CAGES

CFP2 and CFP4 interconnects transfer data 2.8 times faster than current CFP products, achieving 28 Gbps per lane for >100 Gbps Ethernet (and other protocols) in a high density, 0.6mm contact pitch. TE Connectivity's (TE) CFP2 and CFP4 connectors provide excellent signal integrity and feature a ruggedized cage construction for a more robust solution than the competition, helping ensure reliable connections. With one of the largest CFP2 and CFP4 portfolios, TE offers many flexible design options to meet your needs.

Applications

- Carrier Networks and Datacenters
- Large datacenter campus connectivity
- Metro area networks
- Mid- to long-reach, high capacity, multi-100 Gbps links

Part Number Information

CFP2

| Description | TE Part Number |
|---|-----------------------|
| Receptacle Connector | 2274845-1 |
| 1x1 Receptacle Cover | 2304452-1 |
| 1x1 Cage Assembly | 2274843-2 |
| 1x2 Receptacle Cover | 2304454-1 |
| 1x2 Cage Assembly | 2287076-2 |
| Heatsink (side-to-side airflow) | 2288219-3 |
| Heatsink (front-to-back airflow) | 2288218-3 |
| Heatsink Clip | 2288220-2 |
| EMI/Dust Plug | 2288221-1 |
| 1x1 Hardware Kit (w/side-to-side airflow heatsink) | 2274842-1 |
| 1x1 Hardware Kit (w/front-to-back airflow heatsink) | 2274842-2 |
| 1x2 Hardware Kit (w/side-to-side airflow heatsinks) | 2287075-1 |
| 1x2 Hardware Kit (w/front-to-back airflow heatsinks) | 2287075-2 |

CFP4

| Description | TE Part Number |
|---|----------------|
| Receptacle Connector | 2288229-1 |
| 1x1 Receptacle Cover | 2304455-1 |
| 1x1 Cage Assembly | 2288227-2 |
| 1x4 Receptacle Cover | 2304456-1 |
| 1x4 Cage Assembly | 2289496-2 |
| Heatsink (side-to-side airflow) | 2289501-3 |
| Heatsink (front-to-back airflow) | 2288231-3 |
| Heatsink Clip | 2289502-2 |
| EMI/Dust Plug | 2288221-3 |
| 1x1 Hardware Kit (w/side-to-side airflow heatsink) | 2288226-1 |
| 1x1 Hardware Kit (w/front-to-back airflow heatsink) | 2288226-2 |
| 1x4 Hardware Kit (w/side-to-side airflow heatsink) | 2289497-1 |
| 1x4 Hardware Kit (w/front-to-back airflow heatsink) | 2289497-2 |

Hardware kits include: cage assembly, receptacle cover, heatsink(s), heatsink clip(s) and screws.

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1-1773867-7 07/17 DND



CFP2 receptacle connector

Key Features

- Up to 28 Gbps per lane; 100 Gbps per port
- 32 Gbps ACO compliant
- Up to 4x data rate per 19" line card vs CFP
- Up to 60% lower power consumption vs CFP
- 0.6mm pitch SMT receptacle connectors
- · Pin counts:
 - CFP2: 104 pins
 - CFP4: 56 pins
- Ganged configurations available:
 - 1x1 and 1x2 cages for CFP2
 - 1x1 and 1x4 cages for CFP4
- Supports single-sided and belly-to-belly mounting
- Designed to the CFP2 & CFP4 MSA standards (www.cfp-msa.org)
- Meets CEI-28G-VSR requirements defined by OIF for 28 Gbps
- Accommodates 32 Gbps ACO requirements
- Optional riding heatsink ensures proper thermal dissipation

Contact your TE representative for more information

TE Technical Support Center

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