

# 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

# CFP2 & CFP4 PLUGGABLE I/O CONNECTORS & CAGES

## 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.

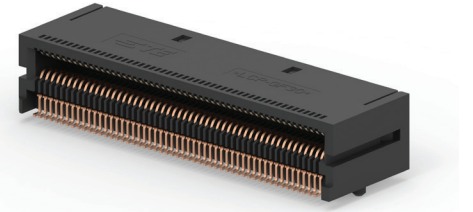
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1-1773867-7 07/17 DND



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](http://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

|                   |                    |
|-------------------|--------------------|
| USA:              | 1.800.522.6752     |
| Canada:           | 1.905.475.6222     |
| Mexico:           | 52.0.55.1106.0800  |
| Latin/S. America: | 54.0.11.4733.2200  |
| Germany:          | 49.0.6251.133.1999 |
| UK:               | 44.0.800.267666    |
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