



CFP

TE Internal #: 2057630-1

CFP, CFP2 & CFP4, Connector, 1 x 1, Data Rate (Max) 100 Gb/s, Double-Sided (Belly-to-Belly) Mount, Board-to-Board, 148 Position, CFP

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > CFP, CFP2 & CFP4



Pluggable I/O Product Type: **Connector**

Port Matrix Configuration: **1 x 1**

Data Rate (Max): **100 Gb/s**

PCB Mounting Style: **Double-Sided (Belly-to-Belly)**

Connector System: **Board-to-Board**

**Features**

**Product Type Features**

Form Factor	CFP
Pluggable I/O Product Type	Connector
Connector System	Board-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Port Matrix Configuration	1 x 1
Number of Positions	148

**Electrical Characteristics**

Data Rate (Max)	100 Gb/s
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**Body Features**

Primary Product Plating Material	Gold
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**Termination Features**

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Termination Method to Printed Circuit Board	Surface Mount
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### Mechanical Attachment

PCB Mounting Style	Double-Sided (Belly-to-Belly)
Connector Mounting Type	Board Mount

### Housing Features

Centerline (Pitch)	.8 mm[.031 in]
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### Dimensions

PCB Thickness (Recommended)	2 mm[.079 in]
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### Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
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### Operation/Application

Circuit Application	Signal
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### Packaging Features

Packaging Method	Reel
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

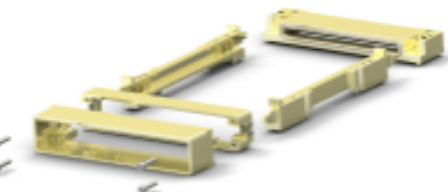
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous

materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Part # 2132404-1  
CFP Hardware Kit



TE Part # 2169666-2  
CFP HW Kit, No HS, With Clips and Screws



TE Part # 2149151-1  
EMI/Dust Cover, CFP



TE Part # 2057626-1  
CFP External Bracket Assy



TE Part # 2057930-1  
CFP Backer Plate Assy



TE Part # 2057631-1  
CFP Receptacle Cover Assy



TE Part # 2057629-1  
CFP Module Conn Assy



TE Part # 2180467-1  
2-56 UNC x .375, CFP, External Bracket



TE Part # 2169666-1  
CFP HW Kit, No HS, With Clips



TE Part # 2169710-1  
CFP External Bracket Assy



TE Part # 2180837-1  
CFP Hardware Kit



TE Part # 2227675-1  
CFP HW Kit, No HS, No Clips



TE Part # 2274283-1  
Heatsink Assembly, CFP



TE Part # 2274284-1  
Hardware Kit, CFP, 5mm Heatsink



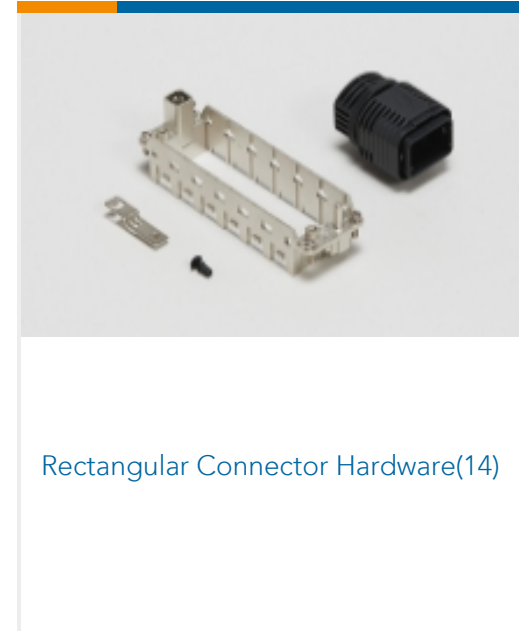
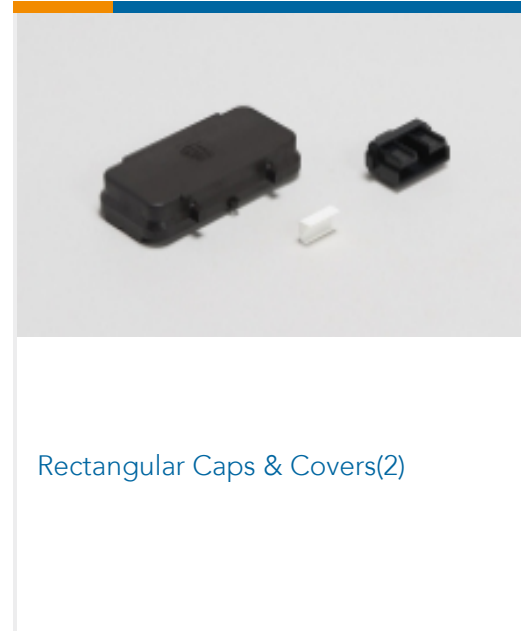
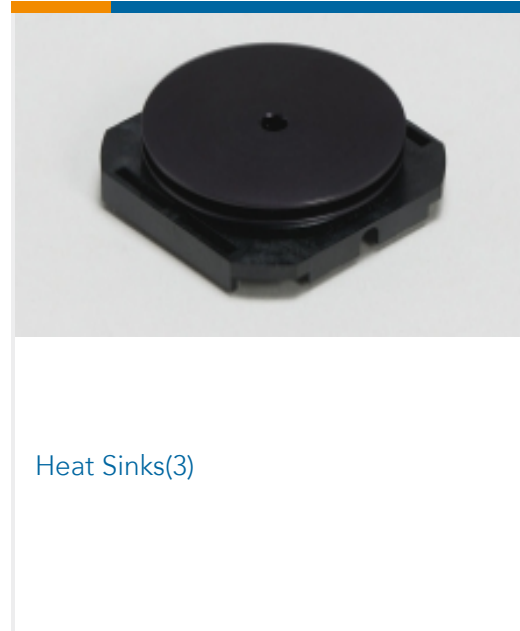
TE Part # 2227326-1  
CFP HW Kit, w/FtB HS, 19 fin, 10.3mm



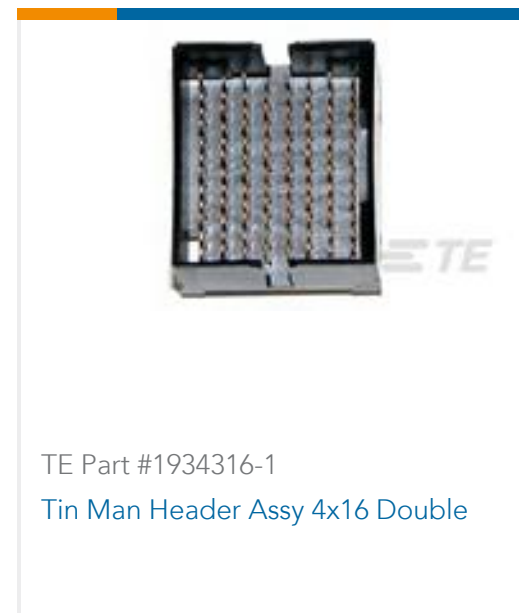
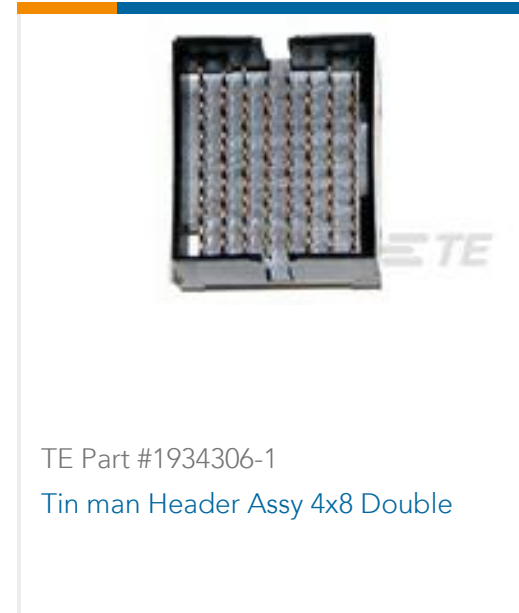
TE Part # 2057928-3  
100G CFP Backer Plate, No Clips



### Also in the Series | CFP



### Customers Also Bought







## Documents

### Product Drawings

[CFP Receptacle Conn Assy](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2057630-1\\_A.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2057630-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2057630-1\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[1-1773717-7\\_PLUGGABLE\\_IO\\_QRG\\_CN](#)

English

[1-1773717-8\\_PLUGGABLEIO\\_QRG\\_TCN](#)

English

[1-1773717-9\\_HIGH\\_SPEED\\_IO\\_QRG\\_JA](#)

English

[CFP\\_40G\\_100G\\_ETHERNET\\_CONNECTORS](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English