



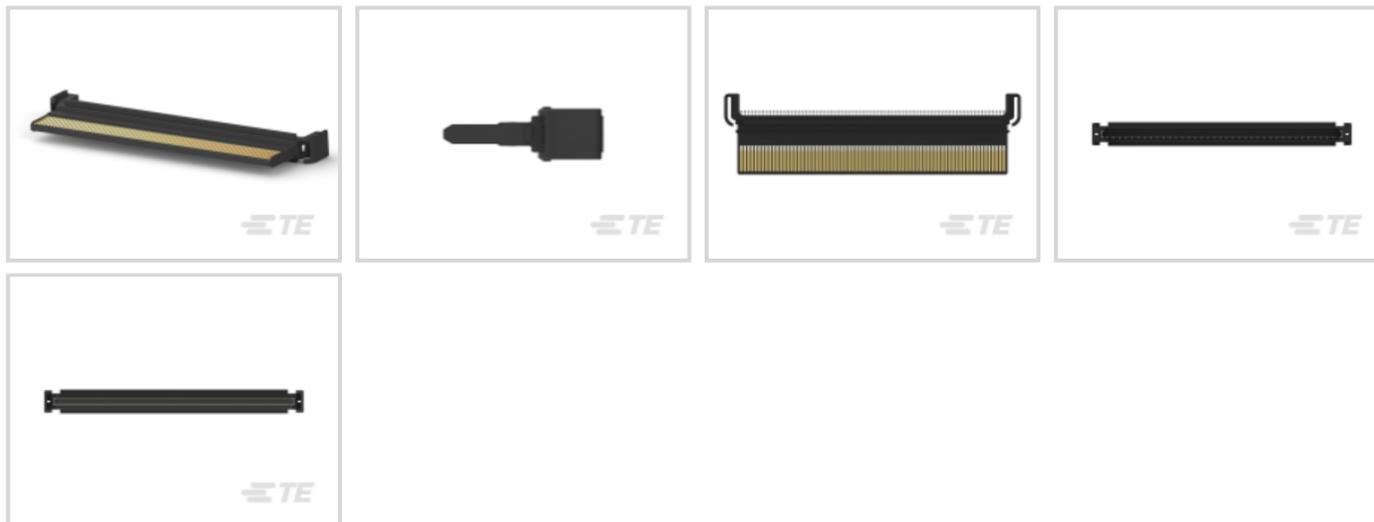
CFP

TE Internal #: 2057629-1

CFP, CFP2 & CFP4, Connector, 1 x 1, Data Rate (Max) 100 Gb/s, Straddle Mount Mount, Board-to-Board, 148 Position, .031 in [.8 mm] Centerline, 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: **Straddle Mount**

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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Mechanical Attachment

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PCB Mounting Style	Straddle Mount
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Connector Mounting Type	Board Mount
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Housing Features

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

PCB Thickness (Recommended)	1.44 mm[.057 in]
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Usage Conditions

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

For Use With Pluggable I/O Products	CFP Assembly
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Circuit Application	Signal
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Packaging Features

Packaging Method	Box & Tray
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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



Also in the Series | CFP



Documents

Product Drawings

CFP Module Conn Assy

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2057629-1_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2057629-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2057629-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[CFP_40G_100G_ETHERNET_CONNECTORS](#)



English

Product Specifications

Application Specification

English

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English