#### 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  Body Features  Primary Product Plating Material Gold		
Connector System  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)  Body Features	Form Factor	CFP
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  Body Features	Pluggable I/O Product Type	Connector
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  Body Features	Connector System	Board-to-Board
Configuration Features  Port Matrix Configuration 1 x 1  Number of Positions 148  Electrical Characteristics  Data Rate (Max) 100 Gb/s  Body Features	Sealable	No
Port Matrix Configuration 1 x 1  Number of Positions 148  Electrical Characteristics  Data Rate (Max) 100 Gb/s  Body Features	Connector & Contact Terminates To	Printed Circuit Board
Number of Positions 148  Electrical Characteristics  Data Rate (Max) 100 Gb/s  Body Features	Configuration Features	
Electrical Characteristics  Data Rate (Max)  Body Features  100 Gb/s	Port Matrix Configuration	1 x 1
Data Rate (Max)  Body Features  100 Gb/s	Number of Positions	148
Body Features	Electrical Characteristics	
	Data Rate (Max)	100 Gb/s
Primary Product Plating Material Gold	Body Features	
	Primary Product Plating Material	Gold

**Termination Features** 



Termination Method to Printed Circuit Board	Surface Mount
Mechanical Attachment	
PCB Mounting Style	Double-Sided (Belly-to-Belly)
Connector Mounting Type	Board Mount
Housing Features	
Centerline (Pitch)	.8 mm[.031 in]
Dimensions	
PCB Thickness (Recommended)	2 mm[.079 in]
Usage Conditions	
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Circuit Application	Signal
Packaging Features	
Packaging Method	Reel

### **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: JAN 2023 (233) 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 # 2057629-1 CFP Module Conn Assy



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



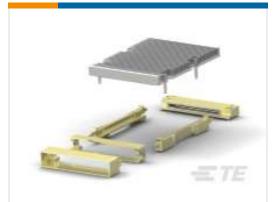
TE Part # 2180467-1 2-56 UNC x .375, CFP, External Bracket



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



TE Part #5084616-3 0.8FH,R13H.5,080,08/Sn,TR,SC



TE Part #2170030-1 SFP+ 1x4 w/ Ultra Low Profile LP



TE Part #2057629-1 CFP Module Conn Assy



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



TE Part #1-2379397-6
MCIO INTERGRATED CONN, V/T,8X,
SMT TYPE



TE Part #2-6450140-9
MBXL VERT RCPT 4P+8S+4P



TE Part #796136-2 ASSY, SMT BATTERY CONN TE Part #2301472-7 CAGE ASSY, QSFP28 1X1, SPRING, CSMID HS

TE Part #2332485-1
RA REC ASSY 4X4, 92OHM PIR
WHISPER R



### **Documents**

### **Product Drawings**

**CFP Receptacle Conn Assy** 

English

#### **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

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

### 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

## **Product Specifications**

**Application Specification** 

English

### **Instruction Sheets**

Instruction Sheet (U.S.)

English