2057630-1 ✔ ACTIVE

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

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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

TE Part # 2300837-1
Hardware Kit, CFP, 5mm Heatsink

TE Part # 2300837-2
Hardware Kit, CFP, 5mm Heatsink

Also in the Series | CFP

CFP, CFP2 & CFP4(21)

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

4-1773455-2 - Quick Reference Guide Pluggable I/O Solutions

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English