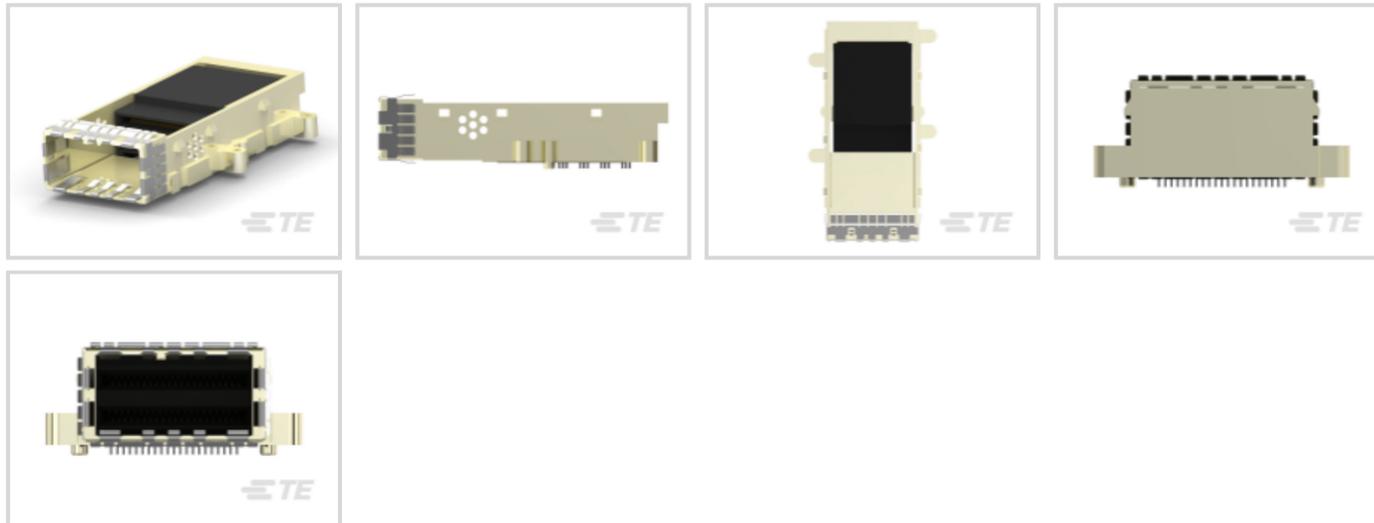# 2149701-1 ✓ ACTIVE

TE Internal #: 2149701-1

CXP, Receptacle Assembly, Double-Sided (Belly-to-Belly) Mount, 1 Port, 1 x 1, Data Rate (Max) 125 Gb/s, Internal/External Springs, Cable-to-Board

View on TE.com >

Pluggable I/O Product Type: **Receptacle Assembly**

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

Number of Ports: **1**

Port Matrix Configuration: **1 x 1**

Included Lightpipe: **No**

All CXP Receptacle Kits (15)

Features

Product Type Features

Form Factor	CXP
Connector & Housing Type	Receptacle
Cage Type	Single
Pluggable I/O Product Type	Receptacle Assembly
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Ports	1
Port Matrix Configuration	1 x 1
Number of Positions	84

Electrical Characteristics

Data Rate (Max)	125 Gb/s

Body Features

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CXP, Receptacle Assembly, Double-Sided (Belly-to-Belly) Mount, 1 Port, 1 x 1, Data Rate (Max) 125 Gb/s, Internal/External Springs, Cable-to-Board

Primary Product Plating Material	Tin over Nickel
Cage Plating Material	Tin over Nickel

Contact Features

Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

Termination Features

Bezel Mounting Style	Through Bezel
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

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

Housing Features

Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.03 mm[.8 in]

Dimensions

Connector Profile Height	11.3 mm[.445 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

For Use With Pluggable I/O Products	CXP Cable Assembly
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray, Tray

Other

Included Lightpipe	No
EMI Containment Feature Type	Internal/External Springs

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CXP, Receptacle Assembly, Double-Sided (Belly-to-Belly) Mount, 1 Port, 1 x 1, Data Rate (Max) 125 Gb/s, Internal/External Springs, Cable-to-Board

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: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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 # 2149126-3
EMI/Dust Plug

Documents

Product Drawings
Receptacle Assembly

English

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CXP, Receptacle Assembly, Double-Sided (Belly-to-Belly) Mount, 1 Port, 1 x 1, Data Rate (Max) 125 Gb/s, Internal/External Springs, Cable-to-Board

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2149701-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2149701-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2149701-1_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

3-1773462-5_CXP_PLUGGABLE_IO_INTERCONNECT

English

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

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English