

2149731-1 ✓ ACTIVE

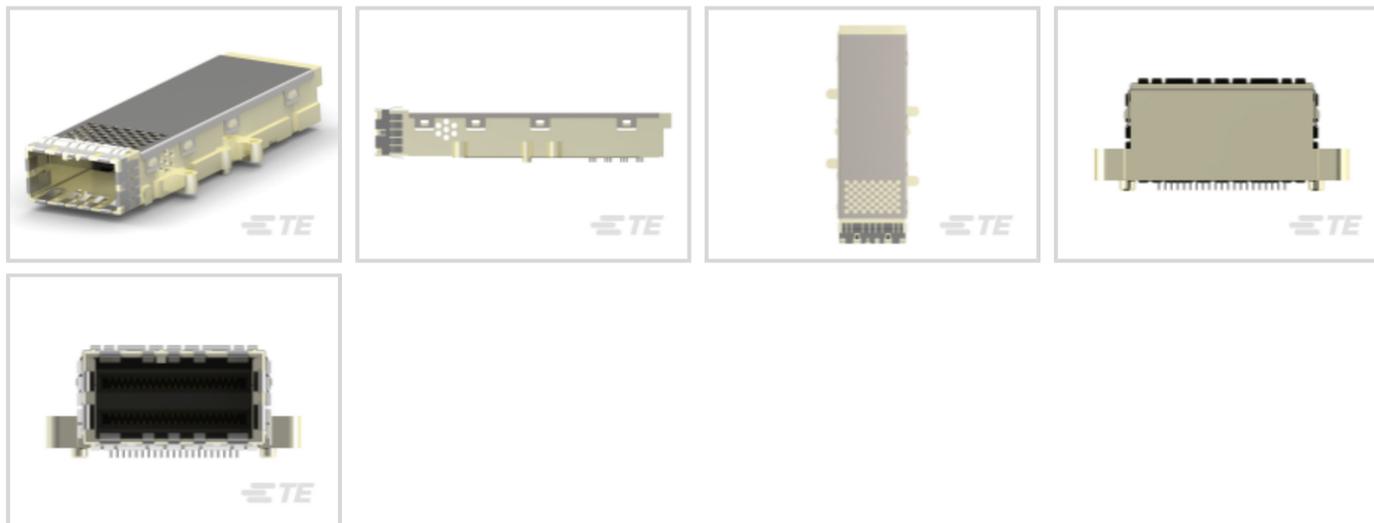
TE Internal #: 2149731-1

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 >](#)



Connectors > Pluggable IO Connectors & Cages > CXP > CXP Receptacle Kits



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
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Body Features



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

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

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

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

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

Connector Profile Height	11.55 mm[.455 in]
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PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

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

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

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray, Tray
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Other

Included Lightpipe	No
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EMI Containment Feature Type	Internal/External Springs
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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 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	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



Documents

Product Drawings

[Receptacle assembly with cover](#)

English

CAD Files



3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2149731-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2149731-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2149731-1_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_ORG_CN](#)

English

[1-1773717-8_PLUGGABLEIO_ORG_TCN](#)

English

[1-1773717-9_HIGH_SPEED_IO_ORG_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

[Application Specification](#)

English

Instruction Sheets

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

English

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

English