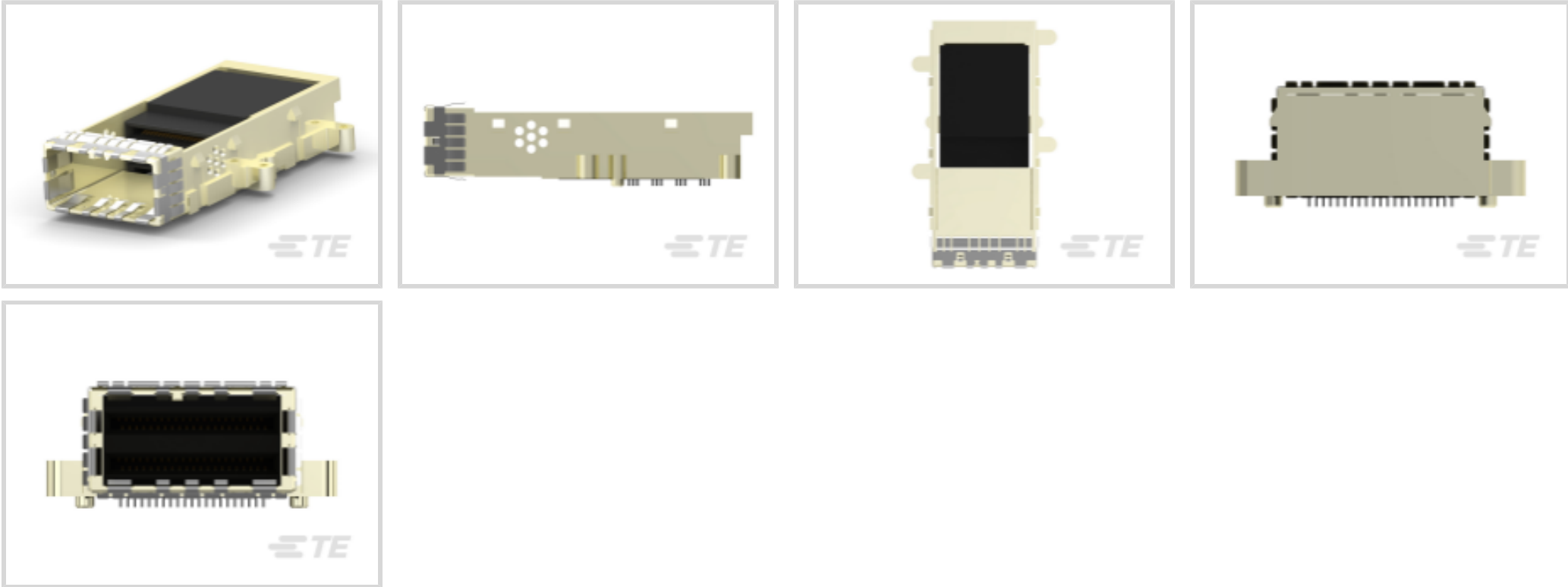




TE Internal #: 2149701-1
CXP, Receptacle Assembly, Double-Sided (Belly-to-Belly), 1 Port,
Port Matrix Configuration 1 x 1, Data Rate (Max) 125 Gb/s, Internal
/External Springs
[View on TE.com >](#)

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

Connector Style	Receptacle
Form Factor	CXP
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



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

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][-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



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: JAN 2021 (211) 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

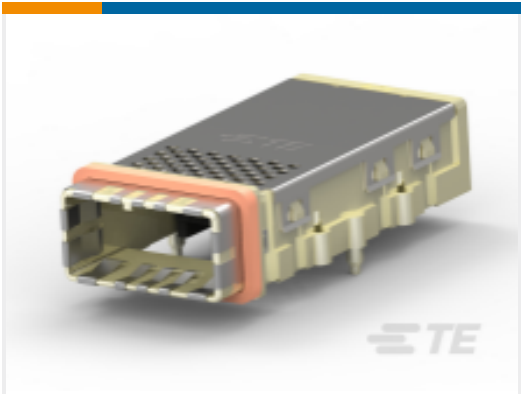
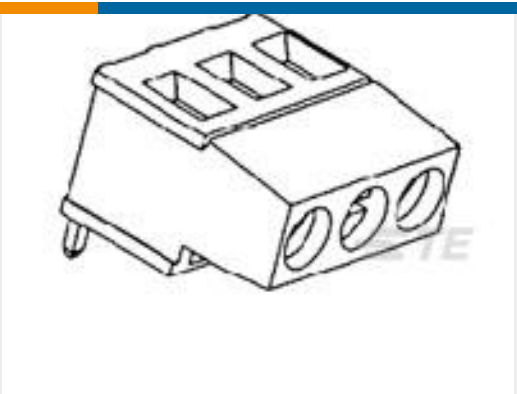
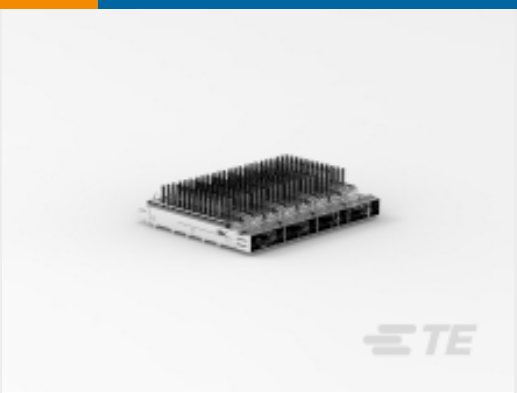
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Customers Also Bought



 TE Part #2-644489-6 Polyester Right Angle PCB Header: 2.54mm, Shrouded, With Mating Alignment	 TE Part #2149733-1 CXP Receptacle Kits	 TE Part #2-2170808-3 QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP	 TE Part #1-282851-2 TERMI-BLOK PCB MOUNT 180 12P.
 TE Part #2007668-1 1x4 QSFP Cage Assy Behind Bzl, LP Holder	 TE Part #1-87232-1 11 MODII HDR SRRA UNSHRD .100	 TE Part #2143019-2 IMP100S,H,RA2P10C,RG,LEW39,4.9	 TE Part #2170747-3 CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP
 TE Part #2198232-3 SFP+ Enhanced 1x2, Network Heatsink, LP	 TE Part #6-1761612-3 STEP-Z PLUG 13MM 104P LF ST		

Documents

Product Drawings
Receptacle Assembly

English

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



[1-1773717-8_PLUGGABLEIO_QRG_TCN](#)

English

[3-1773462-5_CXP_PLUGGABLE_IO_INTERCONNECT](#)

English

[4-1773455-2 - Quick Reference Guide Pluggable I/O Solutions](#)

English

[1-1773717-7_PLUGGABLE_IO_QRG_CN](#)

English

[1-1773717-9_HIGH_SPEED_IO_QRG_JA](#)

English

Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English

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

English