2289129-2 ✔ ACTIVE

zQSFP+/QSFP28

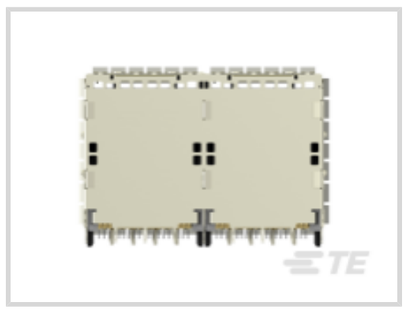
TE Internal #: 2289129-2

zQSFP+, Cage Assembly with Integrated Connector, .032in [.8mm] Centerline, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F]

View on TE.com >

Connectors > Pluggable IO Connectors & Cages




Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [.032 in]**

Sealable: **No**

Circuit Application: **Signal**

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

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No
Form Factor	zQSFP+

Configuration Features

Number of Rear EONs per Port Column	3
Number of Positions	152
Number of Ports	4
Port Matrix Configuration	2 x 2

Electrical Characteristics

Data Rate (Max)	25 Gb/s

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold

Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Length	2 mm[.079 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]

Usage Conditions

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

Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Heat Sink Compatible	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray

Other

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs

Product Compliance

For compliance documentation, visit the product page on TE.com>

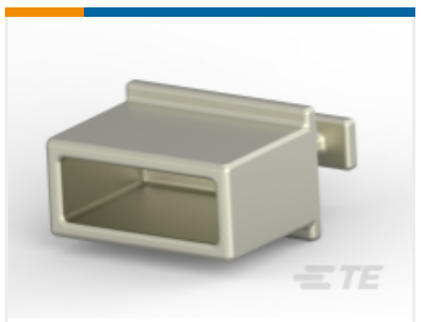
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240)

	Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

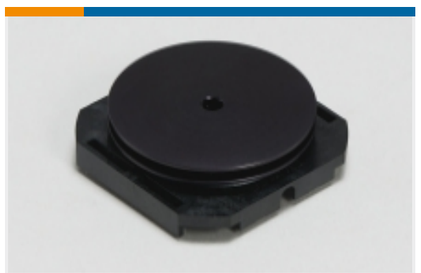


TE Part # 1888810-2
EMI/Dust Cover,XFP And QSFP



TE Part # 1551920-2
zQSFP+ connector assembly

Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable I/O Cable Assemblies(81)

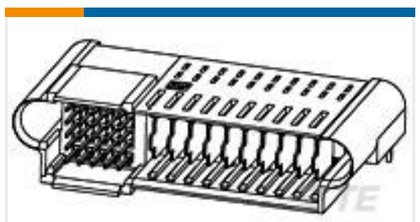


Pluggable IO Connectors & Cages(425)

Customers Also Bought



TE Part #3-5353652-6
.5FHP08H,440,B,GIG,08/Sn,HT,NSYes



TE Part #2-1926730-5
AssyMINIPAKHDL25a10pRAplugBdlk



TE Part #2-1926739-5
AssyMinipak Hdl25s10pRARecptSc



TE Part #1643903-3
Crown Clip Senior II, Ag Plating



TE Part #2291672-2
SFP+ 1X1 CAGE ASSEMBLY, LIGHT PIPE

TE Part #2187793-1
SW PIR RECT, 100OHM, 4X10

TE Part #2187794-1
SW PIR RECT, 85OHM, 8X10

TE Part #2016623-7
RF CA,1.0-2.3 BKD TO UMCC GEN1, 1.37 BK

TE Part #2227104-5
1X2 CAGE ASSY, BHND BEZEL, QSFP28

TE Part #2355673-1
CA,INLET TO FLAG FAST

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2289129-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2289129-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2289129-2_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

QSFP28/56 and zQSFP+ Interconnects

English

Product Specifications

Application Specification

English