

### zQSFP+/QSFP28

TE Internal #: 2308171-2

zQSFP+/QSFP28, QSFP/QSFP+/zQSFP+, Cage Assembly with

Integrated Connector, Port Matrix Configuration  $2 \times 2$ , Internal

/External EMI Springs

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Connectors > Pluggable IO Connectors & Cages > QSFP/QSFP+/zQSFP+











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

Port Matrix Configuration: 2x2

EMI Containment Feature Type: Internal/External EMI Springs

Included Lightpipe: Yes
Enhancements: Standard

## **Features**

### **Product Type Features**

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## **Configuration Features**

Port Matrix Configuration	2 x 2
Number of Ports	4
Lightpipe Configuration	All Four Left Indicator Up
Number of Rear EONs per Port Column	0
Number of Positions	152

### **Contact Features**



Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	30 μm[.76 μin]
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A
Termination Features	
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Connector Mounting Type	Board Mount
Housing Features	
Cage Material	Nickel Silver Alloy
Centerline (Pitch)	.8 mm[.032 in]
Dimensions	
PCB Thickness (Recommended)	3 mm
Tail Length	2 mm[.079 in]
Usage Conditions	
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F][-40 - 185 °F]
Operation/Application	
Heat Sink Compatible	No
For Use With Pluggable I/O Products	QSFP28 Cable Assembly
Pluggable I/O Applications	QSFP28
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Box & Tray
Other	
EMI Containment Feature Type	Internal/External EMI Springs
Included Lightpipe	Yes
Enhancements	Standard

## **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: JAN 2021 (211) 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

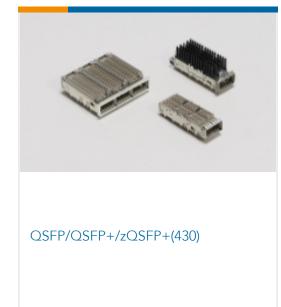
## Compatible Parts



Also in the Series | zQSFP+/QSFP28







# Customers Also Bought





















## **Documents**

## **Product Drawings**

ZQSFP+ CAGE& CONN 2X2, EMI SPRING, BTB

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2308171-2\_A.2d\_dxf.zip



English

**Customer View Model** 

ENG\_CVM\_CVM\_2308171-2\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2308171-2\_A.3d\_stp.zip

English

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**Product Specifications** 

**Application Specification** 

English