# 2-2170747-4 ACTIVE

### zQSFP+/QSFP28

TE Internal #: 2-2170747-4

QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 4, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb

/s, zQSFP+/QSFP28

View on TE.com >



Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSPF+











Pluggable I/O Product Type: Cage Assembly

Port Matrix Configuration: 1x4

EMI Containment Feature Type: Internal/External EMI Springs

Thermal Accessory Type Included: Heat Sink

Included Lightpipe: Yes

### **Features**

## **Product Type Features**

Form Factor	QSFP28/56
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Thermal Accessory Type Included	Heat Sink
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Port Matrix Configuration	1 × 4
Number of Ports	4
Lightpipe Configuration	Dual Round
Number of Rear EONs per Port Column	0
Electrical Characteristics	

28 Gb/s

Data Rate (Max)



Body Features	
Heat Sink Finish	Anodized Black
Heat Sink Style	Pin
Heat Sink Height Class	PCI
Heat Sink Height	4.2 mm[.165 in]
Contact Features	
PCB Contact Termination Area Plating Material	Tin
Termination Features	
Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Connector Mounting Type	Board Mount
Housing Features	
Cage Material	Nickel Silver
Dimensions	
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	QSFP28 Cable Assembly, QSFP28 MSA Compatible Transceiver
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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 # CAT-C11-N490325 QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # CAT-Q17-N490325 QSFP56 to QSFP56 Cable Assembly: 30 AWG



TE Part # CAT-Q17-N49033 QSFP56-Two QSFP56 Cable Assembly: 30 AWG



26 AWG



TE Part # CAT-Q17-N49011 QSFP56-Four SFP56 Cable Assembly: 30 AWG



TE Part # CAT-Q17-N490333 QSFP56-Four SFP56 Cable Assembly: 26 AWG



TE Part # 1551920-2 zQSFP+ connector assembly





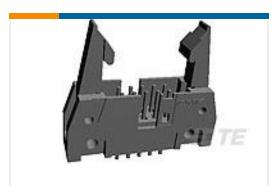
# Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable Assemblies(81)



# Customers Also Bought



TE Part #5499374-1 A/L UNIV HDR 10P VERT SHT LAT



TE Part #749087-1 50SR SCREWLOCK KIT, FEMALE



TE Part #3-1827233-6 .5FHP05H,440,B,GIG,08/Sn,HT,NS

















### **Documents**

## **Product Drawings**

CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

English

### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2-2170747-4\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-2170747-4\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-2170747-4\_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