2170747-3 ACTIVE

zQSFP+/QSFP28

TE Internal #: 2170747-3

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 x 4
Number of Ports	4
Lightpipe Configuration	Single Round
Number of Rear EONs per Port Column	1

Electrical Characteristics

Data Rate (Max)	28 Gb/s
Data Nato (Maxy	20 00/0

Body Features

Heat Sink Finish	Anodized Black
Heat Sink Style	Pin



Heat Sink Height Class	Networking
Heat Sink Height	13.5 mm[.531 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
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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: JAN 2023 (233) 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

















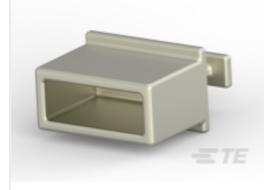




TE Part # CAT-Q17-N49011 QSFP56-Four SFP56 Cable Assembly: 30 AWG



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



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



TE Part # 4-2215048-6

ASSY, SEATING TL, QSFP28, 1X4

Also in the Series | zQSFP+/QSFP28



Heat Sinks(1)





Customers Also Bought



TE Part #5352033-1 Z-PACK 2MM HM ASSY, TYPE-B 133P



TE Part #146845-1 BATT INT, KEYLESS, 5P, 7.2V



TE Part #103669-3 04 MTE HDR SRST LATCH W/HLDWN



TE Part #1-1879208-6 CPF 0402 43R 0.1% 25PPM 1K RL



TE Part #6-2301994-1 RJ45 JACK INT.MAG. 1GB LED 1X1 INV (LOW)



TE Part #8-2176305-4 RP 1E 0.1W 787R 0.1% 25PPM 5K RL



TE Part #1871058-1 PCI EXPRESS CONN. EON TYPE, 36P, L=2.0



TE Part #6-146256-0 20 MODII HDR DRST B/A .100CL L





TE Part #2-6450869-8 V/R, ASSY, PF,16S

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170747-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170747-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170747-3_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