2170705-4 V ACTIVE

zQSFP+/QSFP28

TE Internal #: 2170705-4

QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, 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: 1 x 1

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	Single	
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 1	
Number of Ports	1	
Lightpipe Configuration	Single Round	
Number of Rear EONs per Port Column	0	
Electrical Characteristics		
Data Rate (Max)	28 Gb/s	
Body Features		
Heat Sink Finish	Anodized Black	
Heat Sink Style	Pin	
Heat Sink Height Class	PCI	

4.2 mm[.165 in]

Heat Sink Height



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		
	QSFP28 Cable Assembly, QSFP28 MSA Compatible Transceiver	
For Use With Pluggable I/O Products		
For Use With Pluggable I/O Products Pluggable I/O Applications		
	Compatible Transceiver	
Pluggable I/O Applications	Compatible Transceiver SFP+ Stacked Belly-to-Belly	
Pluggable I/O Applications Circuit Application	Compatible Transceiver SFP+ Stacked Belly-to-Belly	
Pluggable I/O Applications Circuit Application Industry Standards	Compatible Transceiver SFP+ Stacked Belly-to-Belly Signal	
Pluggable I/O Applications Circuit Application Industry Standards UL Flammability Rating	Compatible Transceiver SFP+ Stacked Belly-to-Belly Signal	
Pluggable I/O Applications Circuit Application Industry Standards UL Flammability Rating Packaging Features	Compatible Transceiver SFP+ Stacked Belly-to-Belly Signal UL 94V-0	
Pluggable I/O Applications Circuit Application Industry Standards UL Flammability Rating Packaging Features Packaging Method	Compatible Transceiver SFP+ Stacked Belly-to-Belly Signal UL 94V-0	
Pluggable I/O Applications Circuit Application Industry Standards UL Flammability Rating Packaging Features Packaging Method Other	Compatible Transceiver SFP+ Stacked Belly-to-Belly Signal UL 94V-0 Box & Tray	

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: JUN 2015 (163) SVHC > Threshold: Not Yet Reviewed
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-Z806726 QSFP28 to QSFP28 Cable Assembly: 30 AWG	TE Part # CAT-C11-N49 QSFP28-Two QSFP28 Cable Assembly: 30 AWG	TE Part # CAT-C11-Z8 QSFP28 to QSFP28 Cable Assembly: 26 AWG	TE Part # CAT-C11-N490333 QSFP28-Four SFP+ Cable Assembly: 30 AWG
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	TE Part # CAT-C11-Q17 QSFP56 to QSFP56 Cable Assembly: 26 AWG

QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



TE Part # CAT-O17-N49011

OSFP56-Four SFP56 Cable Assembly:
30 AWG

TE Part # 3-2215048-7

ASSY, SEATING TL, QSFP28, 1X1

Also in the Series | zQSFP+/QSFP28

Customers Also Bought

TE Part #2288226-2

HARDWARE KIT,CFP4 1X1

TE Part #2288229-1

CFP4 RECEPTACLE

TE Part #2227326-1

CFP HW Kit, w/FtB HS, 19 fin, 10.3mm

Documents

CAD Files

3D PDF

3D

Customer View Model ENG_CVM_CVM_2170705-4_A.2d_dxf.zip

English



Customer View Model

ENG_CVM_CVM_2170705-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170705-4_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of us

Datasheets & Catalog Pages

QSFP28/56 and zQSFP+ Interconnects

English

Product Specifications

Application Specification

English