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

zQSFP+/QSFP28

TE Part # 4-2170747-5
TE Internal #: 4-2170747-5

View on TE.com >



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



Form Factor: QSFP28/56

Product Type: Cage Assembly

Port Matrix Configuration: 1 x 4

EMI Containment Feature Type: Internal/External EMI Springs

Included Heat Sink: Yes

Features

Product Type Features

Form Factor	QSFP28/56
Product Type	Cage Assembly
Included Heat Sink	Yes
Cage Type	Ganged
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	Quad Round
Rear EONs per Port Column	0
Electrical Characteristics	

28 Gb/s

Pin

SAN

Anodized Black

Data Rate (Max)

Heat Sink Finish

Heat Sink Style

Heat Sink Height Class

Body Features



Heat Sink Height	6.5 mm[.256 in]
Contact Features	
PCB Contact Termination Area Plating Material	Tin
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
Dimensions	
Tail Length	2.05 mm[.081 in]
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	Standard
For Use With Pluggable I/O Products	QSFP28 Cable Assembly, QSFP28 MSA Compatible Transceiver
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

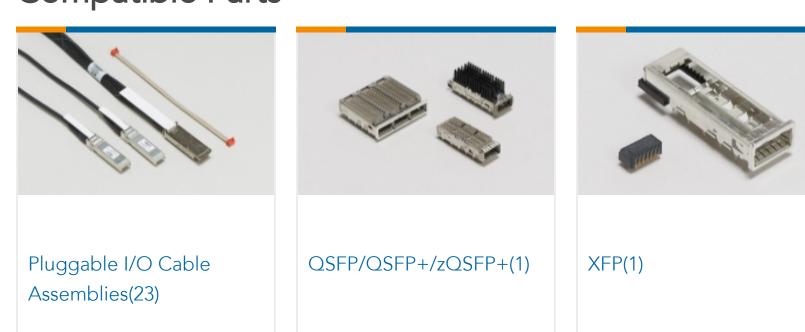


China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197) Candidate List Declared Against: JUN 2016 (169)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

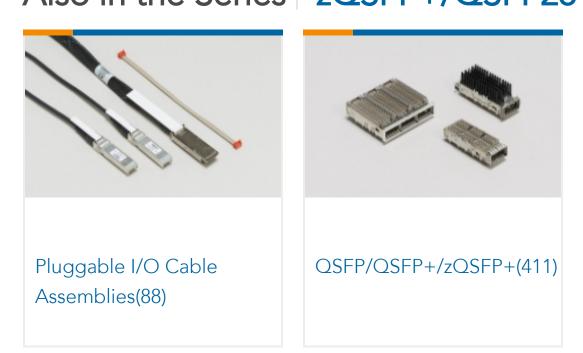
Product Compliance Disclaimer

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

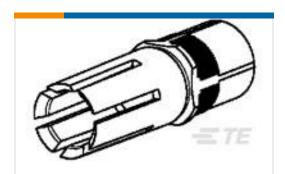


Also in the Series | zQSFP+/QSFP28





Customers Also Bought



TE Part #1393590-5 V23648A 62B 4=HS-BUCHSE



TE Part #1857995-1 Z-PACK/B F-HDR.125P, EON



TE Part #2029032-2 MICRO MNL HDR ASY S/R REV REEL



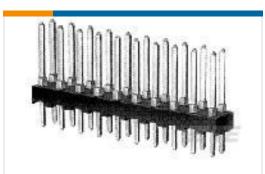
TE Part #2170737-2 QSFP28, 1X3, CAGE ASSEMBLY, SPRING



TE Part #5-102557-7 60 MODII HDR DRST SHRD A/PIN If



TE Part #5179160-5 0.8FH,R05H.7,120,08/Sn, TR,SC,PS



TE Part #87227-9
18 MODII HDR DRST
UNSHRD .100



TE Part #
YACT24JG39AAV00100
JAM NUT RECEPTACLE



TE Part #5-1622826-0 CRG0402 5% 56K



TE Part #1-1617164-6

JMAPDD-5XL = M39016

/20-037L

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2170747-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2170747-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2170747-5_A.3d_stp.zip

English

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

TE Part # 4-2170747-5 TE Internal #: 4-2170747-5



Datasheets & Catalog Pages

QSFP28/56 and zQSFP+ Interconnects

English

Product Environmental Compliance

TE Material Declaration

English