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

zQSFP+/QSFP28

TE Part # 2308171-6

TE Internal #: 2308171-6

View on TE.com >

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







Form Factor: **zQSFP+**

Product Type: **Cage Assembly with Integrated Connector**

Port Matrix Configuration: **2 x 2**

EMI Containment Feature Type: **Internal/External EMI Springs**

Included Heat Sink: **No**

Features

Product Type Features

Form Factor	zQSFP+
Product Type	Cage Assembly with Integrated Connector
Included Heat Sink	No
Cage Type	Stacked
Pluggable I/O Accessory Type	Lightpipe
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 2
Number of Ports	4
Lightpipe Configuration	All Four Down
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[.0315 in]

Dimensions

Tail Length	2 mm[.079 in]
PCB Thickness (Recommended)	3 mm

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Heat Sink Compatible	No
Pluggable I/O Applications	QSFP28
For Use With Pluggable I/O Products	QSFP28 Cable Assembly
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: JUL 2017 (174)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

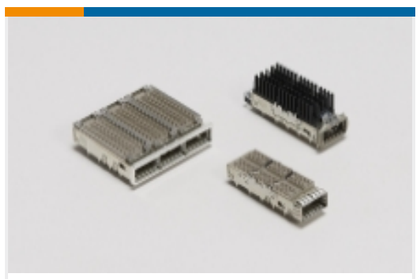
Product Compliance Disclaimer

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.

Also in the Series | zQSFP+/QSFP28

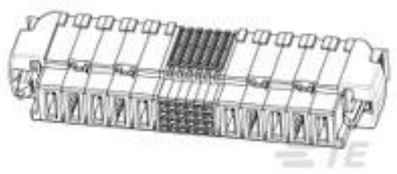


Pluggable I/O Cable Assemblies(88)



QSFP/QSFP+/zQSFP+(411)

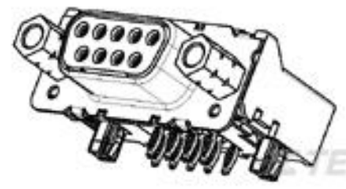
Customers Also Bought



TE Part #1600798-7
STR RCPT ASSY MBXL W /KEYS 2ACP



TE Part #2170805-5
CAGE ASSEMBLY, 1X2, QSFP28, SPRING



TE Part #1-1393482-2
V23529S1102B209=SUB D EP 90



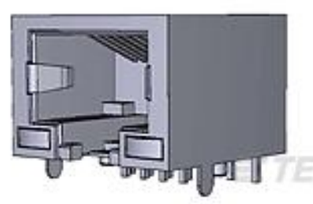
TE Part #2-1879212-0
CPF 0402 33K2 0.1% 25PPM 5K RL



TE Part #7-1879133-6
RN 0603 5K36 0.1% 10PPM 1K RL



TE Part #3-1879212-7
CPF 0402 49K9 0.1% 25PPM 5K RL



TE Part #2170136-1
MODULAR JACK, RJ45, SHIELD, SMT,



TE Part #4-2170808-5
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP



TE Part #6-1445100-4
4P MICRO MNL HDR ASY, RA,SM,AU

TE Part #646478-7
2MM H.M.,"A" SHROUD, 4.9MM

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2308171-6_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2308171-6_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2308171-6_A.3d_stp.zip

English

Product Specifications

Application Specification

English