1-2308171-1 ✔ ACTIVE

zQSFP+/QSFP28

TE Internal #: 1-2308171-1

zQSFP+, Cage Assembly with Integrated Connector, .032in [.8mm] Centerline, Signal, Operating Temperature Range -40 - 85 °C [-40 - 185 °F]

View on TE.com >

Connectors > Pluggable IO Connectors & Cages







Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [.032 in]**

Sealable: **No**

Circuit Application: **Signal**

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

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No
Form Factor	zQSFP+

Configuration Features

Number of Rear EONs per Port Column	0
Number of Positions	152
Number of Ports	4
Port Matrix Configuration	2 x 2

Contact Features

Contact Mating Area Plating Material Thickness	30 µm[.76 µin]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Post & Tail Length	2 mm[.079 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Housing Features

Cage Material	Nickel Silver Alloy
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

PCB Thickness (Recommended)	3 mm[.118 in]

Usage Conditions

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

Operation/Application

Pluggable I/O Applications	QSFP28
Heat Sink Compatible	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray

Other

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs

Product Compliance

For compliance documentation, visit the product page on TE.com>

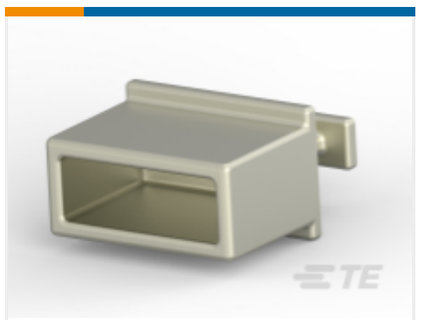
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

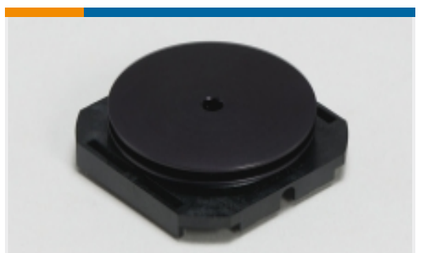
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 1888810-2
EMI/Dust Cover,XFP And QSFP

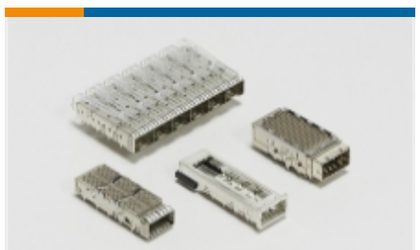
Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable I/O Cable Assemblies(78)

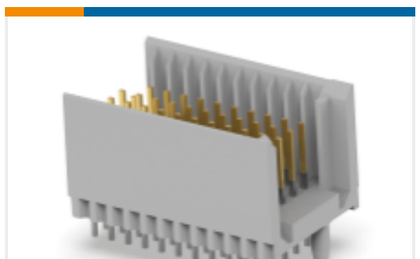


Pluggable IO Connectors & Cages(424)

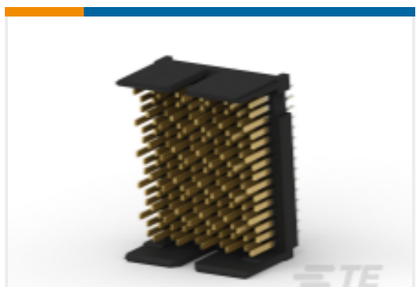
Customers Also Bought



TE Part # 2132423-1
IMP100O,R,RA3P6C,RG,39



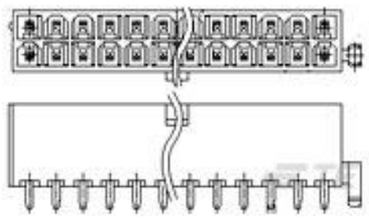
TE Part # 2170872-1
Z-PACK TYPE/C MALE HDR 55P



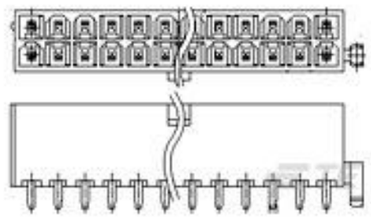
TE Part # 1934937-1
Tinman 5pr 10col open hdr assy



TE Part # 2007850-1
IMP100S,H,V5P10C,UG,DEW46,4.5



TE Part # 3-1775099-2
ATX PWR CONN 1 BDLK 8 POS



TE Part # 3-1775099-5
ATX PWR CONN 1 BDLK 14 POS



TE Part # 5-2170790-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



TE Part # 6-1658043-2
MSB0.80RC-ASY080FL,GP,F,-TR



TE Part # 6450834-1
MBXL R/A HDR STR 1P/8S/1P



TE Part # 2-2204910-5
MBXLE R/A HEADER 4HDP + 92S + 4HDP

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-2308171-1_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2308171-1_A1.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2308171-1_A1.2d_dxf.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Stacked Quad Small Form-Factor Pluggable(zQSFP+) Through Bezel Connector and Cage Assembly (With or Without Light Pipes and Heat Sinks)

English