



zQSFP+/QSFP28

TE Internal #: 2227224-1

zQSFP+/QSFP28, QSFP/QSFP+/zQSFP+, Cage Assembly with Integrated Connector, Port Matrix Configuration 2 x 1, Elastomeric Gasket, Standard

[View on TE.com >](#)

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



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

Port Matrix Configuration: **2 x 1**

EMI Containment Feature Type: **Elastomeric Gasket**

Included Lightpipe: **No**

Enhancements: **Standard**

Features

Product Type Features

Form Factor	zQSFP+
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 1
Number of Ports	2
Number of Rear EONs per Port Column	3
Number of Positions	76

Electrical Characteristics

Data Rate (Max)	28 Gb/s
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]
Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold



Contact Current Rating (Max)	.5 A
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Tail Length	2 mm[.079 in]

Usage Conditions

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

Heat Sink Compatible	No
For Use With Pluggable I/O Products	QSFP Cable Assembly, QSFP MSA Compatible Transceiver
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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Other

EMI Containment Feature Type	Elastomeric Gasket
Included Lightpipe	No
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 2021 (211) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1551920-2
zQSFP+ connector assembly

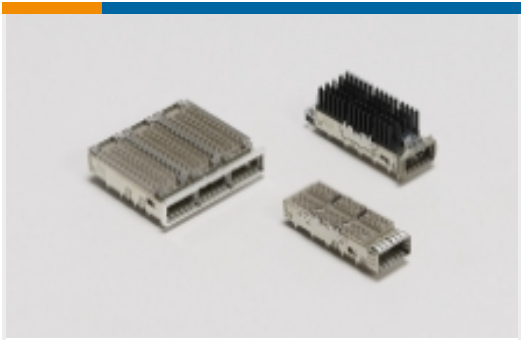


TE Part # 1888810-2
EMI/Dust Cover, XFP And QSFP

Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable Assemblies(84)



QSFP/QSFP+/zQSFP+(430)

Customers Also Bought



TE Part #2170872-1
Hard Metric Male Connector:
Traditional Backplane, Mezzanine,
2mm

TE Part #2-1658063-3
MSB0.80PL5ASY120FL,-,10,-TY

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

TE Part #2-1734774-1
PCI EXP 3.1L 98 POS WHT 30u"

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

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

TE Part #2204400-4
MULTI-BEAM HD R/A REC.
15S+3P+3P+15S

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

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

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

Documents

Product Drawings

zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227224-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227224-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227224-1_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

Product Specification

English