



zQSFP+/QSFP28

TE Internal #: 2227666-3
zQSFP+, Cage Assembly with Integrated Connector, .8mm [.032in]
Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **zQSFP+**
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **No**
Circuit Application: **Signal**

Features

Product Type Features

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

Configuration Features

Number of Positions	76
Number of Ports	2
Port Matrix Configuration	2 x 1

Electrical Characteristics

Data Rate (Max)	28 Gb/s
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Contact Features

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

Termination Features



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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Heat Sink Compatible	No
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

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Bromine/Chlorine - Br and Cl < 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(78)



Pluggable IO Connectors & Cages(424)



QSFP, QSFP+ & zQSPF+(424)

Customers Also Bought



TE Part #1761008-3

SFP 1X4 CAGE & LIGHT PIPE KIT



TE Part #352171-1

Z-PACK/B F-HDR. 95P



TE Part #ANT-916-HETH

Antenna 1/4 Wave Coil 868MHz THM



TE Part #1-1932000-0

VERTICAL DDR3 DIMM, 240 POSITION





TE Part #2318579-1
RCPT CONN R/A SMT 76 POSN QSFP-DD



TE Part #120527-1
1FHP,64,30A/P,S,N,S10,12,13,15



TE Part #5555764-1
MJ,LPF,R/A,8P,SMT,BULK PACK



TE Part #120521-1
1FHR,64,30A/P,S,N,S08,09,10



TE Part #640454-3
03P MTA100 HDR ASSY SQ STR POL



TE Part #350432-4
09P UMNL PIN HDR ASSY NATL LF

Documents

Product Drawings

ZQSFP+ STACKED, 2X1, THRU BEZEL W SPRING

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227666-3_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227666-3_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227666-3_3.3d_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

Application Specification

English