



zQSFP+/QSFP28

TE Internal #: 2308171-9

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

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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]
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Usage Conditions

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

Pluggable I/O Applications	QSFP28
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 # 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 # 2227728-1 zSFP+ 1x2 Cage Assy, Press-Fit	 TE Part # 647402-6 06P SL156 HSG W/RMP&TABS,OVSZ	 TE Part # 3-5177986-6 0.8FH,P08H.5,140,08/Sn,TR,SC	 TE Part # 5177986-4 0.8FH,P05H.5,100,08/Sn,TR,SC
 TE Part # 3-5177986-5 0.8FH,P08H.5,120,08/Sn,TR,SC	 TE Part # 2324869-1 CONNECTOR ASSEMBLY, SMT, PDNI, QSFP	 TE Part # 1888968-1 Cage Assy PCI Hsink QSFP Behind Bezel	 TE Part # 2343246-2 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2308171-9_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2308171-9_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2308171-9_A1.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of 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