



zQSFP+/QSFP28

TE Internal #: 1551892-2

QSFP28/56, Cage Assembly, Signal, Operating Temperature Range
-55 – 105 °C [-67 – 221 °F], Data Rate (Max) 25 Gb/s, 1 Ports

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Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly**
Sealable: **No**
Circuit Application: **Signal**
Operating Temperature Range: **-55 – 105 °C [-67 – 221 °F]**
Data Rate (Max): **25 Gb/s**

Features

Product Type Features

Thermal Accessory Type Included	Heat Sink
Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Sealable	No
Form Factor	QSFP28/56

Configuration Features

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

Electrical Characteristics

Data Rate (Max)	25 Gb/s
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Body Features

Heat Sink Finish	Anodized Black
Heat Sink Height	6.5 mm[.256 in]



Heat Sink Height Class	SAN
Heat Sink Style	Pin

Contact Features

PCB Contact Termination Area Plating Material	Tin
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Termination Features

Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

Housing Features

Cage Material	Nickel Silver
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Dimensions

PCB Thickness (Recommended)	1.45 mm[.057 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
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	No
EMI Containment Feature Type	Customer Applied Gasket

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

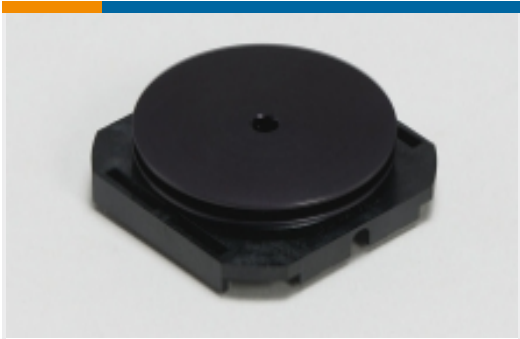


TE Part # 1551920-2
zQSFP+ connector assembly




TE Part # 2185265-5
ASSY, SEATING TOOL KIT


Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable I/O Cable Assemblies(81)




Pluggable IO Connectors & Cages(425)

Customers Also Bought





TE Part #DTM13-12PA-G003
DEUTSCH DTM Headers



CRIMPER
REPRESENTATION ONLY

TE Part #7-456408-6
CRIMPER,WIRE .110 F PREMIUM



TE Part #6-2119582-7
CRIMPER, INSULATION F PREMIUM



TE Part #7-147070-1
MODI .045 SQ POST SN .400



TE Part #2348348-1
ZSFP+ 1X4 CAGE ASSEMBLY, PRESS-FIT, HS

TE Part #469465-4
STOP, WIRE

Documents

Product Drawings

Cage Assy Behind Bezel QSFP28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1551892-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1551892-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1551892-2_C.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

Application Specification

English

