



zQSFP+/QSFP28

TE Internal #: 2227249-2

QSFP28/56, Cage Assembly, Signal, Operating Temperature Range
-40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 4 Ports

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP28/56**
Pluggable I/O Product Type: **Cage Assembly**
Sealable: **No**
Circuit Application: **Signal**
Operating Temperature Range: **-40 – 85 °C [-40 – 185 °F]**

Features

Product Type Features

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

Configuration Features

Number of Rear EONs per Port Column	1
Number of Ports	4
Port Matrix Configuration	1 x 4

Electrical Characteristics

Data Rate (Max)	28 Gb/s
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Body Features

Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
	.256 in
Heat Sink Height Class	SAN

Contact Features

PCB Contact Termination Area Plating Material	Tin
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

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	-40 – 85 °C[-40 – 185 °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 2025 (247) Candidate List Declared Against: JAN 2023 (233) 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	Reflow solder capable to 260°C



Product Compliance Disclaimer

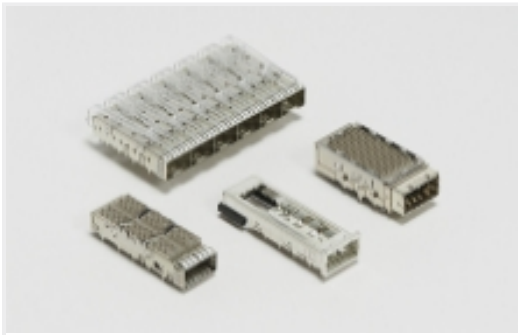
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

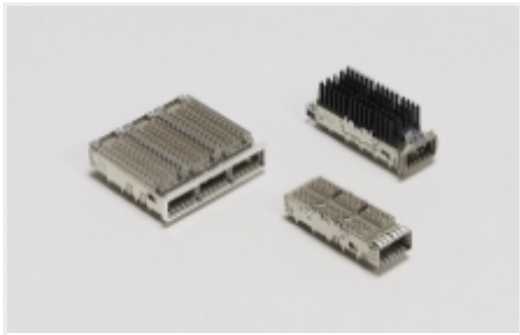
Also in the Series | zQSFP+/QSFP28



[Pluggable I/O Cable Assemblies\(78\)](#)



[Pluggable IO Connectors & Cages\(424\)](#)



[QSFP, QSFP+ & zQSFP+\(424\)](#)

Customers Also Bought



TE Part #1241150-6
[6P MOD II BREAK AWAY HDR , SMD, BLISTER](#)



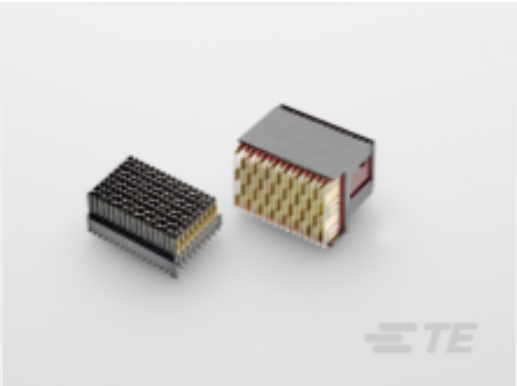
TE Part #2227250-1
[1x4 Cage Assy, Bhnd Bezel, QSFP28](#)



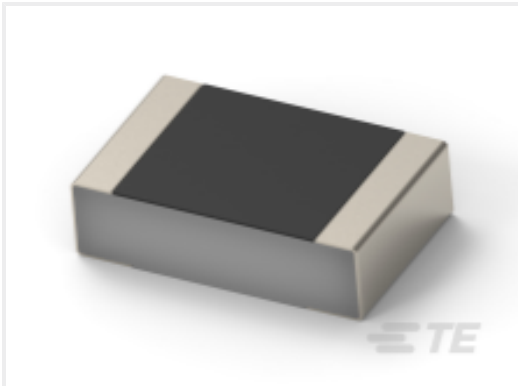
TE Part #5222092-3
[JACK,RTANG,PCB,75 OHM,BNC](#)



TE Part #2309413-1
[DDR4 SODIMM 260P 9.2H STD](#)



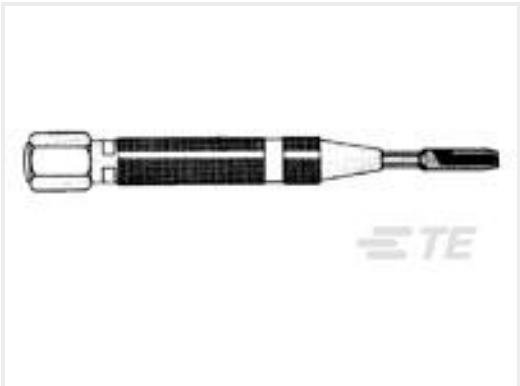
TE Part #2332817-1
[Vert RCPT Left End Half Multigig RT 3](#)



TE Part #9-2176453-6
[CPF 0201 56K2 0.1% 25ppm 1K RL](#)



TE Part #1551920-2
[zQSFP+ connector assembly](#)



TE Part #58430-1
[TOOL, REPAIR](#)



TE Part #2110304-1
[SFP+ 1x1 Cage Assembly, Solder Tail](#)



TE Part #1-292303-6
[Std USB Type A, R/A, SMT, Offset](#)

Documents

Product Drawings

[1x4 Cage Assy Bhnd Bzl QSFP28](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2227249-2_A_c-2227249-2-a.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2227249-2_A_c-2227249-2-a.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2227249-2_A_c-2227249-2-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