



zQSFP+/QSFP28

TE Internal #: 2170805-5

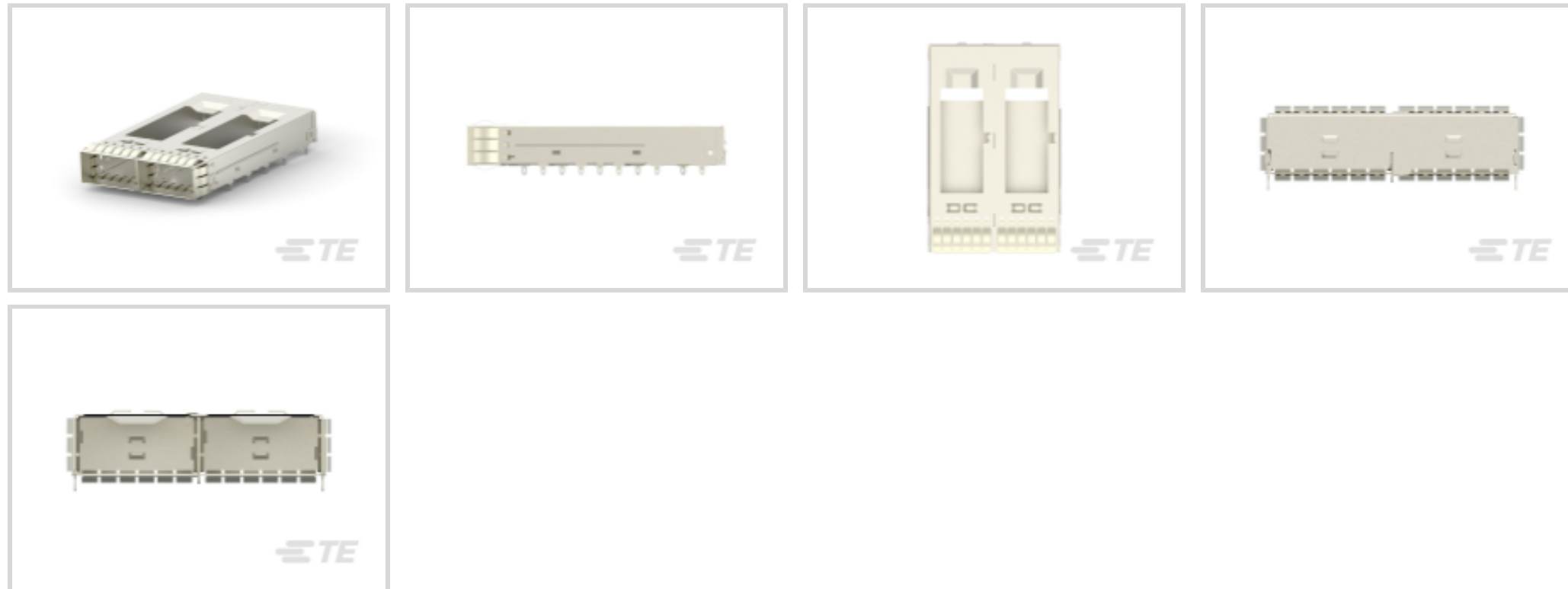
QSFP28/56, Cage, Signal, Operating Temperature Range -40 – 85 °

C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 2 Ports, Port Matrix

Configuration 1 x 2

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP28/56**

Pluggable I/O Product Type: **Cage**

Sealable: **No**

Circuit Application: **Signal**

Operating Temperature Range: **-40 – 85 °C [-40 – 185 °F]**

Features

Product Type Features

Cage Type	Ganged
Form Factor	QSFP28/56
Pluggable I/O Product Type	Cage
Sealable	No

Configuration Features

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

Electrical Characteristics

Data Rate (Max)	28 Gb/s
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Contact Features

PCB Contact Termination Area Plating Material	Tin
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Termination Features

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Termination Method to PCB	Through Hole - Press-Fit
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Termination Post & Tail Length	2.05 mm[.081 in]
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Housing Features

Cage Material	Nickel Silver
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 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
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Heat Sink Compatible	Yes
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Circuit Application	Signal
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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
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EMI Containment Feature Type	Internal/External EMI Springs
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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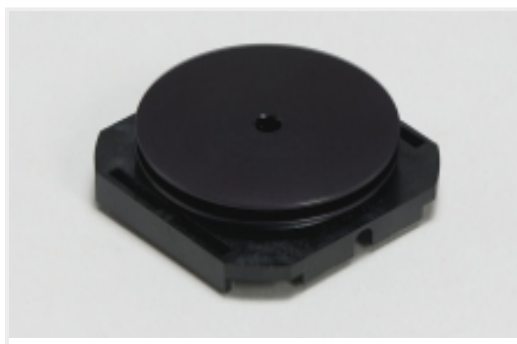
Product Compliance Disclaimer

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>

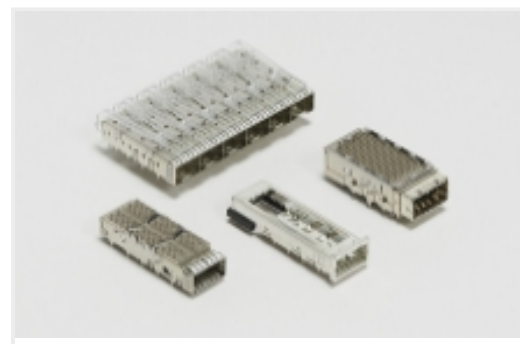
Compatible Parts



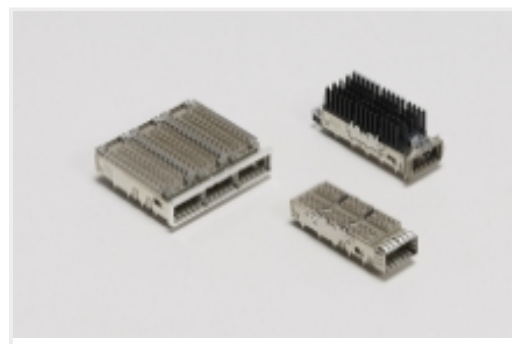
Also in the Series | **zQSFP+/QSFP28**



Heat Sinks(7)

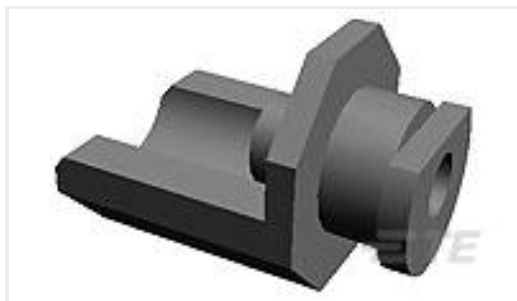


Pluggable IO Connectors & Cages(424)

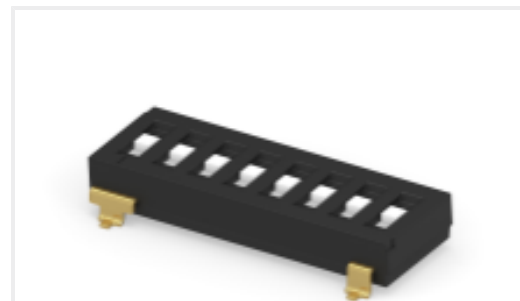


QSFP, QSFP+ & zQSFP+(424)

Customers Also Bought



TE Part #530721-4
MINI-BOX EXT KEY KIT



TE Part #1-2319747-3
TRI-STATE DIP 8P G RECESS SEAL
TUBE



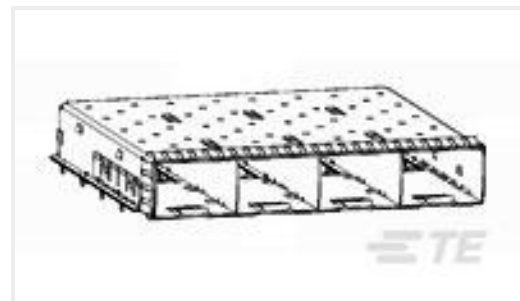
TE Part #2198318-6
zSFP+ STACKED 2X1 RECEPTACLE
ASSEMBLY



TE Part #8-1879417-7
CPF0603 976K 0.1% 25PPM 1K RL



TE Part #3-1879134-9
RN 0603 24K9 0.1% 10PPM 1K RL



TE Part #2227730-1
zSFP+ 1x4 Cage Assembly, Press-Fit



TE Part #CONSMA022-G
SMA Jack 50 Ohm PCB Edge Mount



TE Part #100751-1
Z-PACK/N M-HSG 3P.



TE Part #1676416-2
RN 0805 6K49 0.1% 10PPM 1KRL



TE Part #4-1879208-5
CPF 0402 680R 0.1% 25PPM 1K RL

Documents

Product Drawings

[CAGE ASSEMBLY, 1X2, QSFP28, SPRING](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_2170805-5_A.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2170805-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170805-5_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

[Application Specification](#)

English