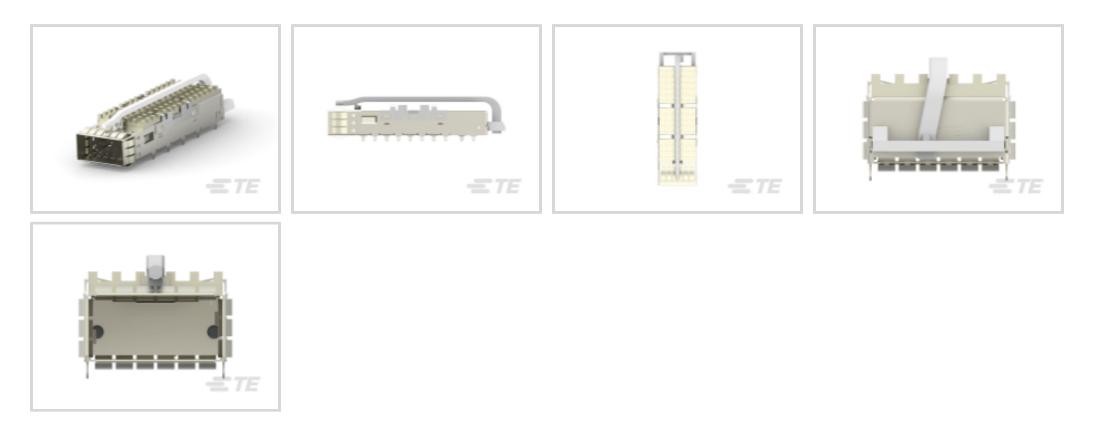


zQSFP+/QSFP28

TE Internal #: 2170705-4 QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb /s, zQSFP+/QSFP28

View on TE.com >

Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSPF+



Pluggable I/O Product Type: Cage Assembly Port Matrix Configuration: 1 x 1 EMI Containment Feature Type: Internal/External EMI Springs Thermal Accessory Type Included: Heat Sink Included Lightpipe: Yes

Features



Product Type Features

| Form Factor | QSFP28/56 |
|-------------------------------------|-----------------------|
| Cage Type | Single |
| Pluggable I/O Product Type | Cage Assembly |
| Thermal Accessory Type Included | Heat Sink |
| Connector System | Cable-to-Board |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| Configuration Features | |
| Port Matrix Configuration | 1 × 1 |
| Number of Ports | 1 |
| Lightpipe Configuration | Single Round |
| Number of Rear EONs per Port Column | 0 |
| Electrical Characteristics | |
| Data Rate (Max) | 28 Gb/s |

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QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



Body Features

| Heat Sink Finish | Anodized Black |
|---|--------------------------|
| Heat Sink Style | Pin |
| Heat Sink Height Class | PCI |
| Heat Sink Height | 4.2 mm[.165 in] |
| Contact Features | |
| PCB Contact Termination Area Plating Material | Tin |
| Termination Features | |
| Termination Post & Tail Length | 2.05 mm[.081 in] |
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |
| Mechanical Attachment | |
| Connector Mounting Type | Board Mount |
| Housing Features | |
| Cage Material | Nickel Silver |
| Dimensions | |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
| | |

Usage Conditions

| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-------------------------------------|---|
| Operation/Application | |
| For Use With Pluggable I/O Products | QSFP28 Cable Assembly, QSFP28 MSA Compatible Transceiver |
| Pluggable I/O Applications | SFP+ Stacked Belly-to-Belly |
| Circuit Application | Signal |
| Industry Standards | |
| UL Flammability Rating | UL 94V-0 |
| Packaging Features | |
| Packaging Method | Box & Tray |
| Other | |
| EMI Containment Feature Type | Internal/External EMI Springs |
| Included Lightpipe | Yes |
| Enhancements | Standard |

QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



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: JUNE 2023 (235) Candidate List Declared Against: JUN 2015 (163) SVHC > Threshold: Not Yet Reviewed |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| | |

Solder Process Capability

Not applicable for solder process capability

Product Compliance Disclaimer

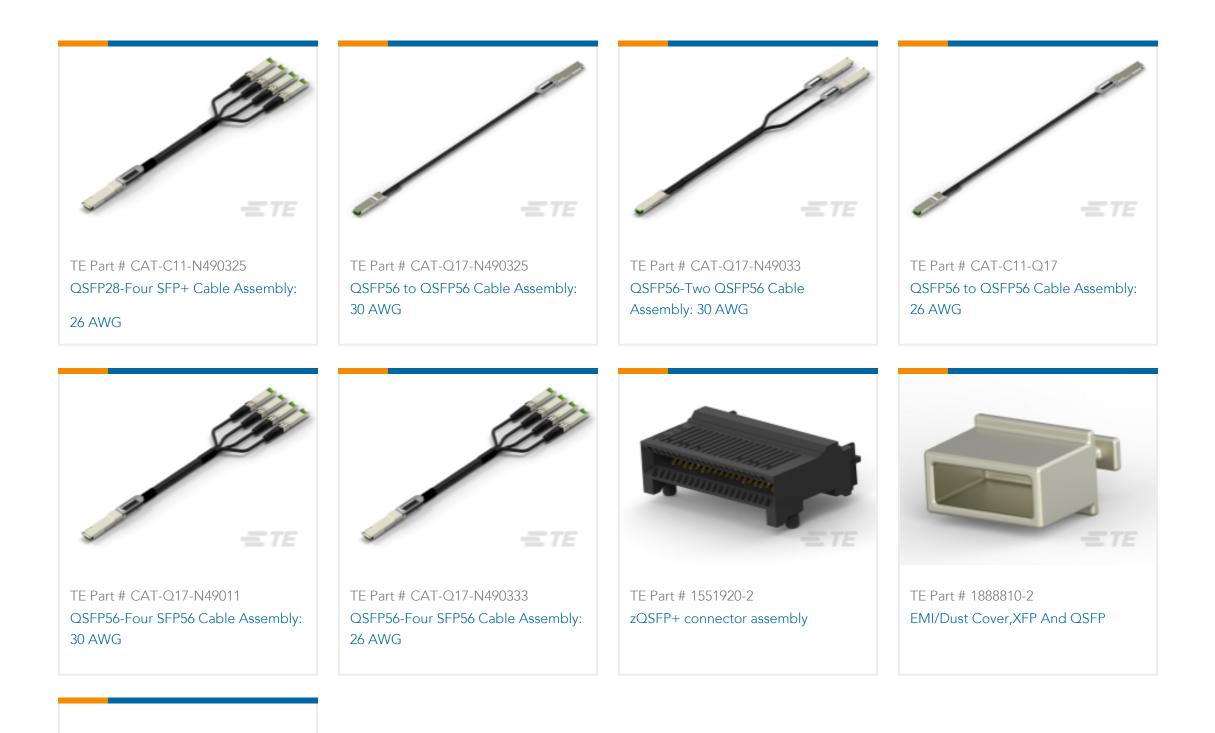
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28







Also in the Series | zQSFP+/QSFP28



Customers Also Bought



QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 1, Internal/External EMI Springs, Included Lightpipe, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



Documents

CAD Files 3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170705-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170705-4_A.3d_igs.zip

English

Customer View Model ENG_CVM_CVM_2170705-4_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