

2170793-1 ✓ ACTIVE



zQSFP+/QSFP28

TE Internal #: 2170793-1

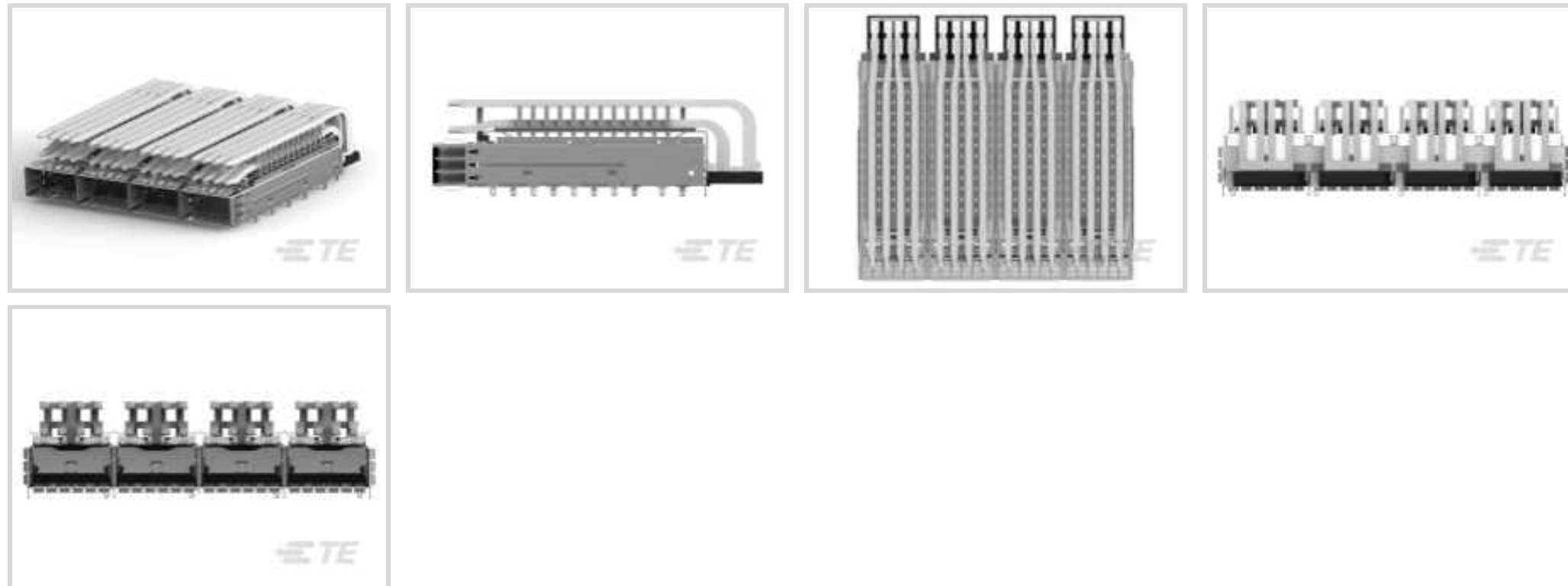
QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 4, Internal/External

EMI Springs, Included Lightpipe, Standard, 4 Port, All Four,

Custom, 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 4**

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             |
| Pluggable I/O Accessory Type      | Lightpipe             |
| Cage Type                         | Ganged                |
| Pluggable I/O Product Type        | Cage Assembly         |
| Thermal Accessory Type Included   | Heat Sink             |
| Connector System                  | Cable-to-Board        |
| Sealable                          | Yes                   |
| Connector & Contact Terminates To | Printed Circuit Board |

### Configuration Features

|                                     |          |
|-------------------------------------|----------|
| Port Matrix Configuration           | 1 x 4    |
| Number of Ports                     | 4        |
| Lightpipe Configuration             | All Four |
| Number of Rear EONs per Port Column | 1        |

### Body Features



|                        |                |
|------------------------|----------------|
| Heat Sink Finish       | Anodized Black |
| Heat Sink Style        | Custom         |
| Heat Sink Height Class | Custom         |

#### 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 Alloy |
| Centerline (Pitch) | 19 mm[.748 in]      |

#### Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |
|-----------------------------|------------------|

#### Usage Conditions

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

#### Operation/Application

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| Heat Sink Compatible                | Yes                               |
| For Use With Pluggable I/O Products | QSFP28 MSA Compatible Transceiver |
| Pluggable I/O Applications          | QSFP28                            |
| Circuit Application                 | Signal                            |

#### Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

#### Other

|                              |                               |
|------------------------------|-------------------------------|
| EMI Containment Feature Type | Internal/External EMI Springs |
| Included Lightpipe           | Yes                           |
| Enhancements                 | Standard                      |

#### 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 2023 (233)<br>Candidate List Declared Against: JUNE 2022 (224)<br>Does not contain REACH SVHC |
| 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

|  |   |  |  |
|--|---|--|--|
|  <p>TE Part # CAT-C11-Z8<br/>QSFP28 to QSFP28 Cable Assembly:<br/>26 AWG</p>      |  <p>TE Part # CAT-C11-Z806726<br/>QSFP28 to QSFP28 Cable Assembly:<br/>30 AWG</p> |  <p>TE Part # CAT-C11-N49<br/>QSFP28-Two QSFP28 Cable<br/>Assembly: 30 AWG</p>    |  <p>TE Part # CAT-C11-N490333<br/>QSFP28-Four SFP+ Cable Assembly:<br/>30 AWG</p> |
|  <p>TE Part # CAT-C11-N490325<br/>QSFP28-Four SFP+ Cable Assembly:<br/>26 AWG</p> |  <p>TE Part # CAT-Q17-N490325<br/>QSFP56 to QSFP56 Cable Assembly:<br/>30 AWG</p> |  <p>TE Part # CAT-Q17-N49033<br/>QSFP56-Two QSFP56 Cable<br/>Assembly: 30 AWG</p> |  <p>TE Part # CAT-C11-Q17<br/>QSFP56 to QSFP56 Cable Assembly:<br/>26 AWG</p>     |



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



### Customers Also Bought



### Documents

#### Product Drawings

CAGE ASSY, 1X4, QSFP28, 8LP

English

#### CAD Files

3D PDF

3D



**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170793-1\\_A.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170793-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170793-1\\_A.3d\\_stp.zip](#)

English

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

---

**Product Specifications**

[Application Specification](#)

English

---

**Product Environmental Compliance**

[TE Material Declaration](#)

English

---

**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English