# 2170754-7  ✓ ACTIVE

## zQSFP+/QSFP28

TE Internal #: 2170754-7

QSFP28/56, Cage Assembly, Sealable, Signal, Operating
Temperature Range -40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28
Gb/s, 1 Ports

View on TE.com >

Connectors > Pluggable IO Connectors & Cages



Form Factor:  **QSFP28/56**

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

Sealable:  **Yes**

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 | Yes |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Data Rate (Max) | 28 Gb/s |

### Body Features

| | |
|---|---|
| Heat Sink Style | Pin |
| Heat Sink Finish | Anodized Black |
| | .165 in |
| Heat Sink Height Class | PCI |

### Contact Features

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| PCB Contact Termination Area Plating Material | Tin |
|---|---|

## Termination Features

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

## 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

| Pluggable I/O Applications | SFP+ Stacked Belly-to-Belly |
|---|---|
| Heat Sink Compatible | Yes |
| Circuit Application | Signal |

## Industry Standards

| UL Flammability Rating | UL 94V-0 |
|---|---|

## Packaging Features

| Packaging Method | Box & Tray |
|---|---|

## Other

| Included Lightpipe | Yes |
|---|---|
| EMI Containment Feature Type | Elastomeric 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 |

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| | |
|---|---|
| | 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

# Compatible Parts



TE Part # CAT-C11-Z806726

QSFP28 to QSFP28 Cable Assembly: 30 AWG



TE Part # CAT-Q17-N49011

QSFP56-Four SFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-N490333

QSFP28-Four SFP+ Cable Assembly: 30 AWG



TE Part # CAT-C11-N490325

QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # CAT-C11-N49

QSFP28-Two QSFP28 Cable Assembly: 30 AWG



TE Part # CAT-Q17-N490333

QSFP56-Four SFP56 Cable Assembly: 26 AWG



TE Part # 2215048-1

ASSY, SEATING TL, QSFP28, 1X1



TE Part # 1551920-2

zQSFP+ connector assembly



TE Part # CAT-Q17-N490325

QSFP56 to QSFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-Z8

QSFP28 to QSFP28 Cable Assembly: 26 AWG



TE Part # CAT-Q17-N49033

QSFP56-Two QSFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-Q17

QSFP56 to QSFP56 Cable Assembly: 26 AWG

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

## Also in the Series ｜ zQSFP+/QSFP28

Heat Sinks(7)

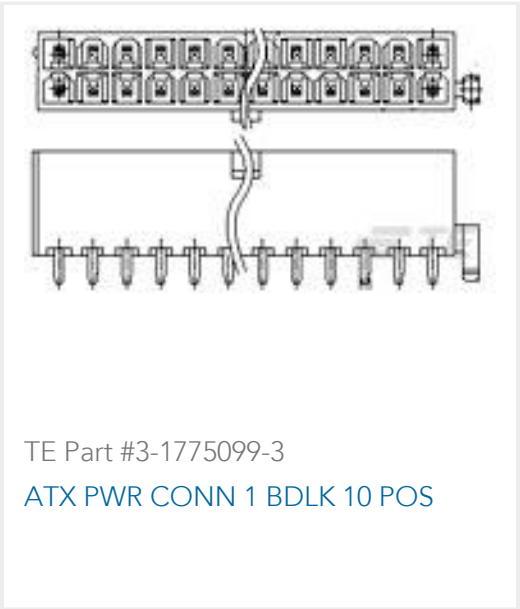Pluggable IO Connectors & Cages(424)

QSFP, QSFP+ & zQSPF+(424)

## Customers Also Bought

TE Part #1934937-1
Tinman 5pr 10col open hdr assy
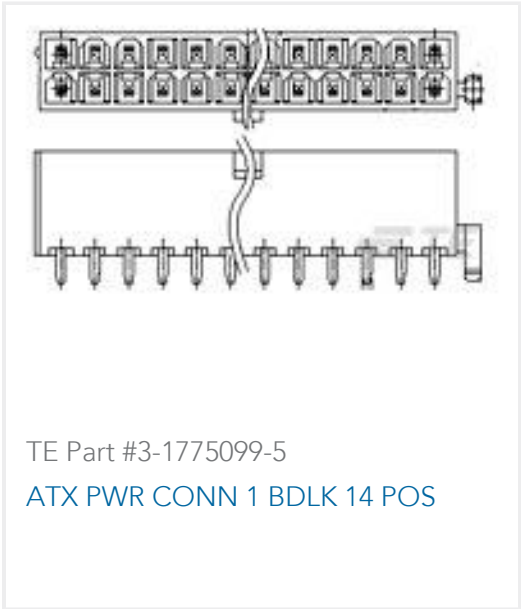
TE Part #6450834-1
MBXL R/A HDR STR 1P/8S/1P

TE Part #3-1775099-3
ATX PWR CONN 1 BDLK 10 POS

TE Part #2170872-1
Z-PACK TYPE/C MALE HDR 55P

TE Part #2132423-1
IMP100O,R,RA3P6C,RG,39

TE Part #3-1775099-5
ATX PWR CONN 1 BDLK 14 POS

TE Part #5-2170790-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

TE Part #6-1658043-2
MSB0.80RC-ASY080FL,GP,F,-TR

TE Part #2-2204910-5
MBXLE R/A HEADER 4HDP + 92S + 4HDP

TE Part #2007850-1
IMP100S,H,V5P10C,UG,DEW46,4.5

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## Documents

### CAD Files
3D PDF

3D

**Customer View Model**

ENG_CVM_CVM_2170754-7_A.2d_dxf.zip

English

**Customer View Model**

ENG_CVM_CVM_2170754-7_A.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_2170754-7_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
Product Specification

English