



Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP28/56**  
Pluggable I/O Product Type: **Cage**  
Sealable: **No**  
Circuit Application: **Signal**  
Number of Ports: **2**

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 |

Contact Features

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

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 |
|---------------|---------------|

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.45 mm[.057 in] |
|-----------------------------|------------------|



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           | No                      |
| EMI Containment Feature Type | Customer Applied Gasket |

Product Compliance

For compliance documentation, visit the product page on TE.com>

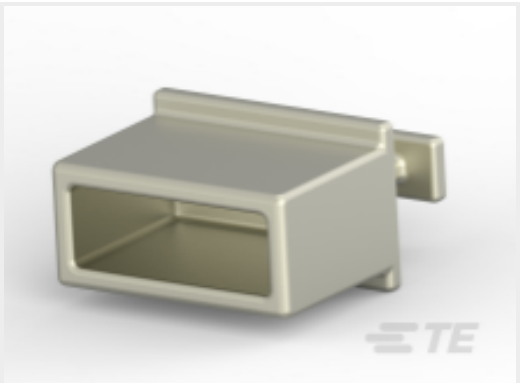
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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                     | Not applicable for solder process capability                                                                                  |

Product Compliance Disclaimer

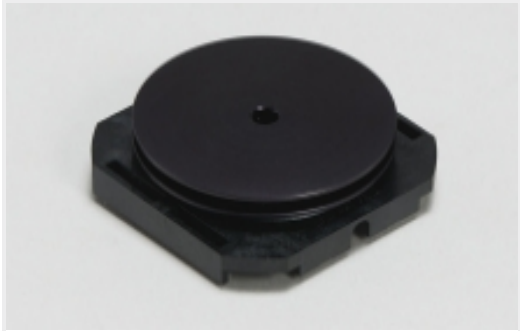
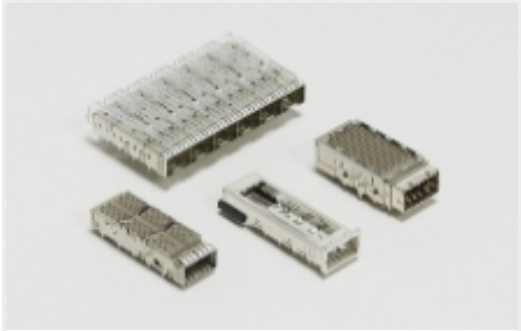
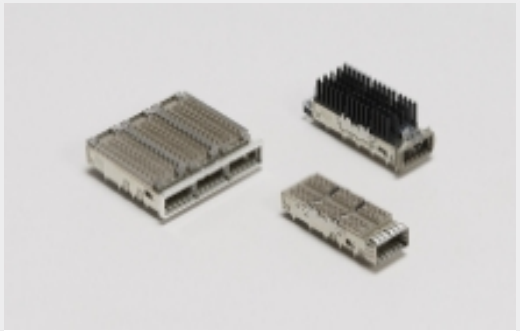
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-Z806726<br/>QSFP28 to QSFP28 Cable Assembly:<br/>30 AWG</p>   |  <p>TE Part # CAT-Q17-N49011<br/>QSFP56-Four SFP56 Cable Assembly:<br/>30 AWG</p>  |  <p>TE Part # 1888810-2<br/>EMI/Dust Cover,XFP And QSFP</p>                          |  <p>TE Part # CAT-C11-Z8<br/>QSFP28 to QSFP28 Cable Assembly:<br/>26 AWG</p>       |
|  <p>TE Part # CAT-C11-Q17<br/>QSFP56 to QSFP56 Cable Assembly:<br/>26 AWG</p>      |  <p>TE Part # CAT-Q17-N49033<br/>QSFP56-Two QSFP56 Cable<br/>Assembly: 30 AWG</p> |  <p>TE Part # 2215091-1<br/>ASSY, STING TL KIT QSFP28, 1X2</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-C11-N49<br/>QSFP28-Two QSFP28 Cable<br/>Assembly: 30 AWG</p>   |  <p>TE Part # CAT-Q17-N490333<br/>QSFP56-Four SFP56 Cable Assembly:<br/>26 AWG</p> |  <p>TE Part # 1551920-2<br/>zQSFP+ connector assembly</p>                        |
|  <p>TE Part # CAT-Q17-N490325<br/>QSFP56 to QSFP56 Cable Assembly:<br/>30 AWG</p> |                                                                                                                                                                      |                                                                                                                                                                         |                                                                                                                                                                       |

Also in the Series | zQSFP+/QSFP28

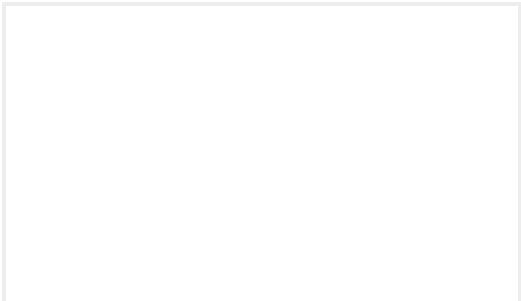
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|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
|  <p>Heat Sinks(7)</p> |  <p>Pluggable IO Connectors &amp; Cages(424)</p> |  <p>QSFP, QSFP+ &amp; zQSFP+(424)</p> |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|



Customers Also Bought



TE Part #2180850-1  
IMP,PWR,3PR,HDR,L-HLD,1X,797-1,N /A



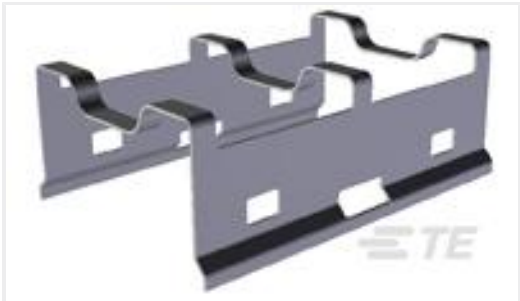
TE Part #2-1734795-8  
RJ45,8P8C,SHD,G/Y LED, W/ Panel, 50u" Au



TE Part #2325864-2  
SFP-DD RECEPTACLE W HOLD DOWNS ASSEMBLY



TE Part #6-1761614-5  
STEP-Z PLUG 15MM 200P LF ST



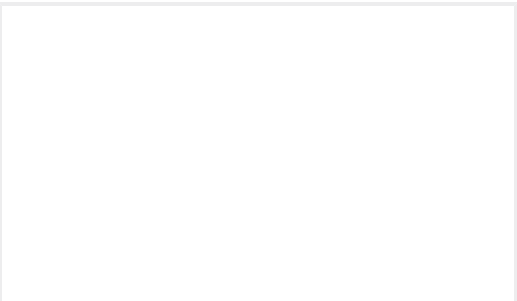
TE Part #1489948-2  
XFP HEAT SINK CLIP, PLATED



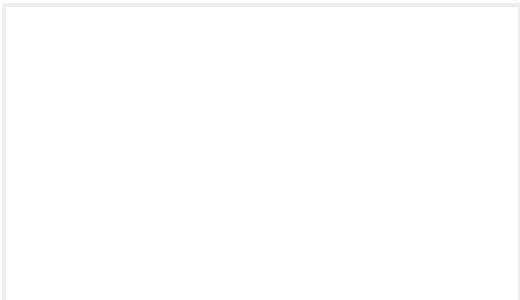
TE Part #2309407-5  
DDR4 SODIMM 260P 4.0H STD



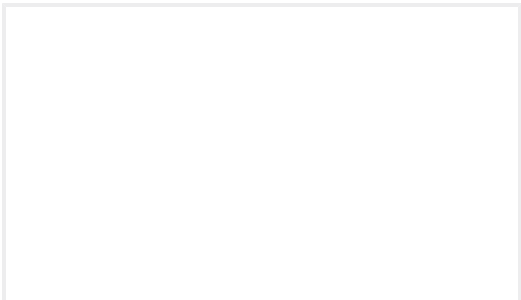
TE Part #2057433-3  
IMP100S,H,V2P10C,UG,REW39,5.5



TE Part #2304921-3  
ZSFP+ 1X8 CAGE ASSEMBLY, PRESS-FIT



TE Part #6-2345017-1  
QSFP-DD 1X1, CUST, W/ ZIPPER HS, LP



TE Part #2399536-1  
CAGE ASSEMBLY W/ HS, TOP 2LP, SFP-DD 1X1

Documents

Product Drawings

1X2 CAGE ASSY, BHND BEZEL, QSFP28

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2227104-1\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2227104-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2227104-1\_B.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