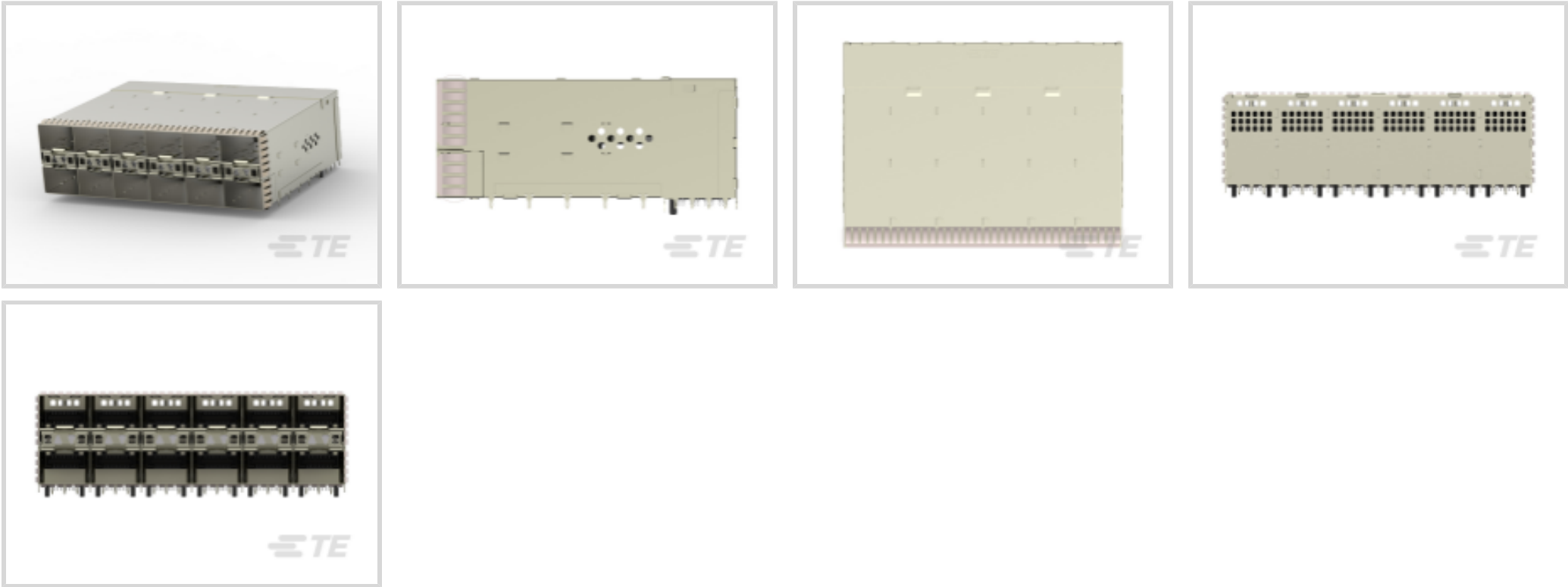




Connectors > Pluggable IO Connectors & Cages > zSFP+ Stacked Cage Assembly: EMI Spring



Form Factor: **zSFP+ Stacked (SFP28)**

Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [ .032 in ]**

Sealable: **No**

Circuit Application: **Signal**

[All zSFP+ Stacked Cage Assembly: EMI Spring \(45\)](#)

Features

Product Type Features

|                            |                                         |
|----------------------------|-----------------------------------------|
| Cage Type                  | Stacked                                 |
| Form Factor                | zSFP+ Stacked (SFP28)                   |
| Pluggable I/O Product Type | Cage Assembly with Integrated Connector |
| Sealable                   | No                                      |

Configuration Features

|                           |          |
|---------------------------|----------|
| Lightpipe Style           | Standard |
| Number of Positions       | 240      |
| Number of Ports           | 12       |
| Port Matrix Configuration | 2 x 6    |

Electrical Characteristics

|                 |         |
|-----------------|---------|
| Data Rate (Max) | 32 Gb/s |
|-----------------|---------|

Contact Features

|                       |     |
|-----------------------|-----|
| Tail Plating Material | Tin |
|-----------------------|-----|



|                                                                 |                                                                                                                                |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Contact Mating Area Plating Material Thickness                  | .76 µm[29.92 µin]                                                                                                              |
| Termination Features                                            |                                                                                                                                |
| Termination Method to PCB                                       | Through Hole - Press-Fit                                                                                                       |
| Termination Post & Tail Length                                  | 1.8 mm[.07 in]                                                                                                                 |
| Housing Features                                                |                                                                                                                                |
| Cage Material                                                   | Nickel Silver Alloy                                                                                                            |
| Centerline (Pitch)                                              | .8 mm[.032 in]                                                                                                                 |
| Dimensions                                                      |                                                                                                                                |
| PCB Thickness (Recommended)                                     | 1.5 mm[.059 in]                                                                                                                |
| Usage Conditions                                                |                                                                                                                                |
| Operating Temperature Range                                     | -55 – 105 °C[-67 – 221 °F]                                                                                                     |
| Operation/Application                                           |                                                                                                                                |
| Pluggable I/O Applications                                      | zSFP+ Thermally Enhanced                                                                                                       |
| Heat Sink Compatible                                            | No                                                                                                                             |
| Circuit Application                                             | Signal                                                                                                                         |
| Industry Standards                                              |                                                                                                                                |
| UL Flammability Rating                                          | UL 94V-0                                                                                                                       |
| Packaging Features                                              |                                                                                                                                |
| Packaging Method                                                | Tray                                                                                                                           |
| Other                                                           |                                                                                                                                |
| Included Lightpipe                                              | Yes                                                                                                                            |
| EMI Containment Feature Type                                    | Internal/External EMI Springs                                                                                                  |
| 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: JUNE 2024 (241)<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>

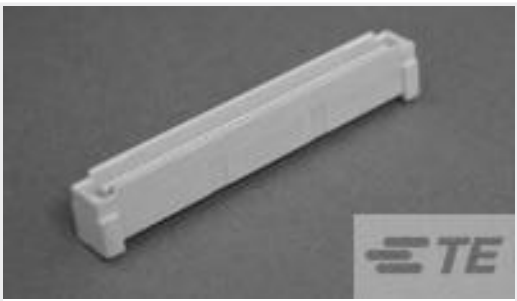
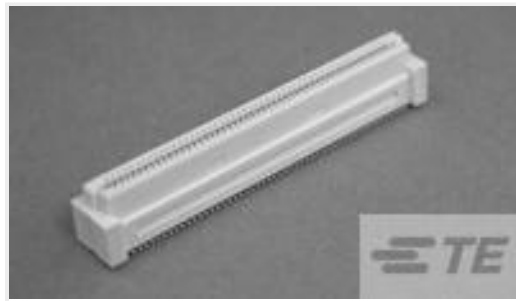
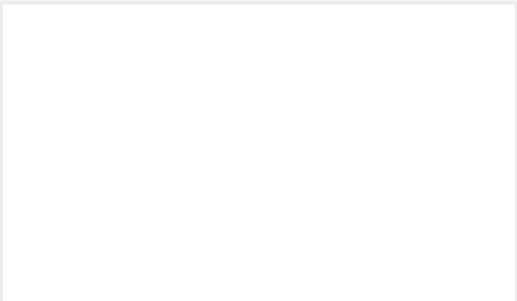
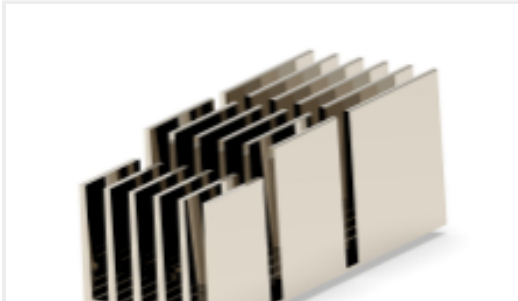
Compatible Parts

|                                                                                                                                                                |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 4-2334985-2<br/>SFP56 DIRECT ATTACH CA, 1M, 32AWG</p>         |  <p>TE Part # CAT-Q17-N490333<br/>QSFP56-Four SFP56 Cable Assembly: 26 AWG</p> |  <p>TE Part # CAT-C11-N490333<br/>QSFP28-Four SFP+ Cable Assembly: 30 AWG</p> |  <p>TE Part # CAT-C11-N490325<br/>QSFP28-Four SFP+ Cable Assembly: 26 AWG</p> |
|  <p>TE Part # 2334985-2<br/>SFP28 DIRECT ATTACH CA, 1M, 32AWG</p>           |  <p>TE Part # 4-2821224-5<br/>SFP56 DIRECT ATTACH CA, 3M, 26AWG</p>            |  <p>TE Part # CAT-Q17-N49011<br/>QSFP56-Four SFP56 Cable Assembly: 30 AWG</p> |  <p>TE Part # CAT-C11-N49011<br/>SFP28 to SFP28 Cable Assembly: 26 AWG</p>    |
|  <p>TE Part # CAT-C11-N490111<br/>SFP28 to SFP28 Cable Assembly: 28 AWG</p> |  <p>TE Part # CAT-C11-N4901114<br/>SFP28 to SFP28 Cable Assembly: 30 AWG</p>   |  <p>TE Part # 4-2821222-5<br/>SFP56 DIRECT ATTACH CA, 2M, 30AWG</p>           |                                                                                                                                                                    |

Customers Also Bought





|                                                                                     |                                                                                      |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |    |  |  |
| TE Part #6123001-6<br>0.8FH,P08H.5,140,30/Sn,TR,SC                                  | TE Part #5569260-1<br>STK MJ ASSY,8POS,2X2,SHLD,CAT5                                 | TE Part #5767149-3<br>MICT,495,PLG,114,TAPE,CAP                                     | TE Part #7-5179180-3<br>0.8FH,R09H.5,080,30/Sn,TR,SC                                |
|    |    |  |  |
| TE Part #6450844-1<br>MBXL R/A HDR STR 64S                                          | TE Part #2306345-2<br>HEAT SINK, QSFP28 1X1,<br>CUSTOMIZED                           | TE Part #1-5406299-1<br>MJ ASSY,S/P,8POS,SH,RVPGT,CAT5                              | TE Part #5569381-1<br>STK MJ ASSY,8POS,2X1,SHLD,CAT5                                |
|  |  |                                                                                     |                                                                                     |
| TE Part #2024579-1<br>C/A, 72-5435-01, POWER, MBXLE                                 | TE Part #2170106-2<br>SFP+ 1x1 Enhanced, Gasket, Press fit                           |                                                                                     |                                                                                     |

Documents

Product Drawings  
ZSFP+ STACKED 2X6 RCPT ASSY,THERMAL  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2291491-1\_B.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2291491-1\_B.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_2291491-1\_B.3d\_stp.zip  
English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages



[zSFP+ Interconnect Brochure](#)

English

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[Product Specifications](#)

[Application Specification](#)

English