



Connectors > Pluggable IO Connectors & Cages



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

Sealable: **No**

Operating Temperature Range: **-55 – 105 °C [-67 – 221 °F]**

Data Rate (Max): **16 Gb/s**

Number of Ports: **4**

Features

Product Type Features

|                            |        |
|----------------------------|--------|
| Cage Type                  | Ganged |
| Pluggable I/O Product Type | Cage   |
| Sealable                   | No     |
| Form Factor                | SFP+   |

Configuration Features

|                           |       |
|---------------------------|-------|
| Number of Ports           | 4     |
| Port Matrix Configuration | 1 x 4 |

Electrical Characteristics

|                 |         |
|-----------------|---------|
| Data Rate (Max) | 16 Gb/s |
|-----------------|---------|

Termination Features

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

Housing Features

|               |               |
|---------------|---------------|
| Cage Material | Nickel Silver |
|---------------|---------------|

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 2.25 mm[.089 in] |
|-----------------------------|------------------|

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application



|                            |               |
|----------------------------|---------------|
| Pluggable I/O Applications | SFP+ Enhanced |
| Heat Sink Compatible       | Yes           |

Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

Other

|                              |                               |
|------------------------------|-------------------------------|
| Included Lightpipe           | No                            |
| EMI Containment Feature Type | Internal/External EMI Springs |

Product Compliance

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

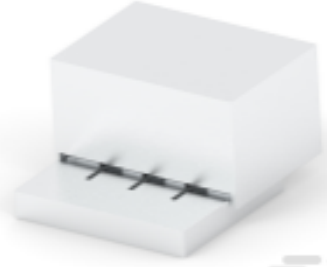
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<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>

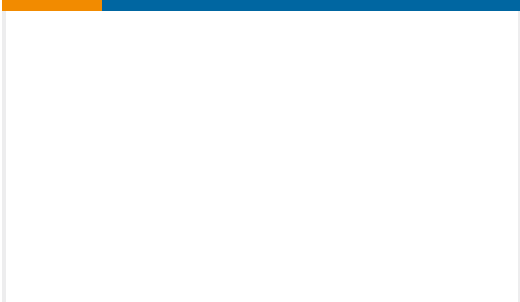
Compatible Parts



|                                                                                                                                                               |                                                                                                                                                                 |                                                                                                                                                                  |                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-C11-H50626<br/>SFP+ to SFP+ I/O Cable Assembly: 30 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 # CAT-C11-N4901114<br/>SFP28 to SFP28 Cable Assembly: 30 AWG</p> |  <p>TE Part # CAT-C11-N49011<br/>SFP28 to SFP28 Cable Assembly: 26 AWG</p>    |  <p>TE Part # CAT-Q17-N49011<br/>QSFP56-Four SFP56 Cable Assembly: 30 AWG</p> |  <p>TE Part # CAT-Q17-N490333<br/>QSFP56-Four SFP56 Cable Assembly: 26 AWG</p> |
|  <p>TE Part # 4-2821222-5<br/>SFP56 DIRECT ATTACH CA, 2M, 30AWG</p>        |  <p>TE Part # 4-2821224-5<br/>SFP56 DIRECT ATTACH CA, 3M, 26AWG</p>         |  <p>TE Part # 2007099-1<br/>SFP+ 1x4 Light Pipe Assembly</p>                |  <p>TE Part # 4-2334985-2<br/>SFP56 DIRECT ATTACH CA, 1M, 32AWG</p>          |
|  <p>TE Part # 2170068-1<br/>SFP+ 1x4 Light Pipe Assembly Low Profile</p>   |  <p>TE Part # CAT-C11-H5<br/>SFP+ to SFP+ I/O Cable Assembly: 24 AWG</p>    |  <p>TE Part # CAT-C11-H506<br/>SFP+ to SFP+ I/O Cable Assembly: 26 AWG</p>  |  <p>TE Part # CAT-C11-H5062<br/>SFP+ to SFP+ I/O Cable Assembly: 28 AWG</p>  |
|  <p>TE Part # 2007099-4<br/>SFP+ 1x4 Light Pipe Assembly</p>               |  <p>TE Part # 2215005-1<br/>KIT, SFP+ ENH 1X4</p>                            |  <p>TE Part # 2142970-1<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M</p>    |  <p>TE Part # 2142970-2<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M</p>       |

Customers Also Bought



|                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|    |   |  |  |
| TE Part #6469048-1<br>HMZD 4PR RA HDR 80P ASSY LF                                   | TE Part #2065657-1<br>zd Plus, 4 pair, receptacle assy                              | TE Part #1934306-1<br>Tin man Header Assy 4x8 Double                                | TE Part #YMC8016-W-15-06SN0<br>ARINC 801, TYPE 1 PLUG CONNECTOR                     |
|    |  |  |  |
| TE Part #1934316-1<br>Tin Man Header Assy 4x16 Double                               | TE Part #YMC8016-W-25-32SN0<br>ARINC 801, TYPE 1 PLUG CONNECTOR                     | TE Part #Y459266-126S-00-10<br>TIGHT JACKET CONTACT MC801                           | TE Part #1888247-3<br>20 POSN SFP CONN, ENHANCED                                    |
|  |                                                                                     |                                                                                     |                                                                                     |
| TE Part #2149266-4<br>Light Pipe, SFP+, Std Length                                  |                                                                                     |                                                                                     |                                                                                     |

Documents

- CAD Files

Customer View Model

ENG\_CVM\_CVM\_2169260-1\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2169260-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2169260-1\_A.3d\_stp.zip

English

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

- Datasheets & Catalog Pages

4-1773455-3 - Quick Reference Guide SFP+ Solutions

English

Product Specifications



Application Specification

English