



Connectors > Pluggable IO Connectors & Cages



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

Sealable: **No**

Circuit Application: **Signal**

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

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

Features

Product Type Features

|                                 |               |
|---------------------------------|---------------|
| Thermal Accessory Type Included | Heat Sink     |
| Cage Type                       | Ganged        |
| Pluggable I/O Product Type      | Cage Assembly |
| Sealable                        | No            |
| Form Factor                     | SFP+          |

Configuration Features

|                           |       |
|---------------------------|-------|
| Number of Ports           | 2     |
| Port Matrix Configuration | 1 x 2 |

Electrical Characteristics

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

Body Features

|                        |         |
|------------------------|---------|
|                        | .256 in |
| Heat Sink Height Class | SAN     |
| Heat Sink Style        | Pin     |

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           |
| Circuit Application        | Signal        |

Packaging Features

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

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

|                                                                       |                                                                     |                                                                      |                                                                      |
|-----------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
|                                                                       |                                                                     |                                                                      |                                                                      |
| TE Part # 2110759-1<br>PT CONN ASSY 20 POS 16G SFP                    | TE Part # CAT-C11-H50626<br>SFP+ to SFP+ I/O Cable Assembly: 30 AWG | TE Part # CAT-C11-N490333<br>QSFP28-Four SFP+ Cable Assembly: 30 AWG | TE Part # CAT-C11-N490325<br>QSFP28-Four SFP+ Cable Assembly: 26 AWG |
|                                                                       |                                                                     |                                                                      |                                                                      |
| TE Part # 2334985-2<br>SFP28 DIRECT ATTACH CA, 1M, 32AWG              | TE Part # CAT-C11-N4901114<br>SFP28 to SFP28 Cable Assembly: 30 AWG | TE Part # CAT-C11-N49011<br>SFP28 to SFP28 Cable Assembly: 26 AWG    | TE Part # CAT-Q17-N49011<br>QSFP56-Four SFP56 Cable Assembly: 30 AWG |
|                                                                       |                                                                     |                                                                      |                                                                      |
| TE Part # CAT-Q17-N490333<br>QSFP56-Four SFP56 Cable Assembly: 26 AWG | TE Part # 4-2821222-5<br>SFP56 DIRECT ATTACH CA, 2M, 30AWG          | TE Part # 4-2821224-5<br>SFP56 DIRECT ATTACH CA, 3M, 26AWG           | TE Part # 4-2334985-2<br>SFP56 DIRECT ATTACH CA, 1M, 32AWG           |
|                                                                       |                                                                     |                                                                      |                                                                      |
| TE Part # 2007182-1<br>SFP Standard 1x2 Light Pipe Assm               | TE Part # 2007182-3<br>SFP 1x2 Light Pipe Assy, Reduced Length      | TE Part # CAT-C11-H5<br>SFP+ to SFP+ I/O Cable Assembly: 24 AWG      | TE Part # CAT-C11-H506<br>SFP+ to SFP+ I/O Cable Assembly: 26 AWG    |







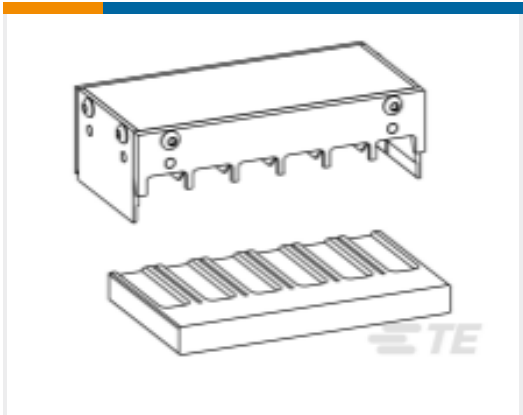
TE Part # CAT-C11-H5062

SFP+ to SFP+ I/O Cable Assembly: 28 AWG



TE Part # 2007182-2

SFP 1x2 Light Pipe Assy, Reduced Length



TE Part # 2185213-5

ASSY, STG TL KIT, SFP+ENHANCED



TE Part # 2142970-1

CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M

Customers Also Bought



TE Part # 1888631-1

Cage Assy PCI Hsink QSFP Thru



TE Part # 2-1761607-5

IDC LOW PRO HDR 14P RA LG LAT



TE Part # 1-350944-0

04P UMNL HDR ASSY R/A 94VO



TE Part # 6-1393238-8

RTD14024



TE Part # 2110819-1

QSFP+ Enh EVERCLEAR PT Conn



TE Part # 8-1614884-4

CPF 0805 10K 0.1% 25PPM 1K RL

Documents

Product Drawings

SFP+ Enhanced 1x2, SAN Heatsink

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2198230-2\_A.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2198230-2\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2198230-2\_A.3d\_stp.zip

English

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Product Specifications

Application Specification

English