

SFP28

TE Internal #: 2169678-6

TE Internal Description: SFP+ assy 2x5 Gasket Inner LP Sn

SFP+ Stacked Cage Assemblies

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Connectors > Pluggable IO Connectors & Cages > SFP+ Stacked Cage Assemblies



Form Factor: **SFP+**  
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**  
Centerline (Pitch): **.8 mm [ .032 in ]**  
Sealable: **Yes**  
Circuit Application: **Signal**

[All SFP+ Stacked Cage Assemblies \(73\)](#)

Features

Industry Standards

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

Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Method to PCB      | Through Hole - Press-Fit |
| Termination Post & Tail Length | 3 mm[.118 in]            |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.5 mm[.059 in] |
|-----------------------------|-----------------|

Contact Features

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| Contact Mating Area Plating Material           | Gold or Gold Flash over Palladium Nickel |
| Tail Plating Material                          | Tin                                      |
| Contact Mating Area Plating Material Thickness | .76 µm                                   |

Packaging Features

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

Operation/Application

|                            |        |
|----------------------------|--------|
| Pluggable I/O Applications | SFP+   |
| Heat Sink Compatible       | No     |
| Circuit Application        | Signal |

Housing Features



|                    |                |
|--------------------|----------------|
| Cage Material      | Nickel Silver  |
| Centerline (Pitch) | .8 mm[.032 in] |

Product Type Features

|                            |                                         |
|----------------------------|-----------------------------------------|
| Cage Type                  | Stacked                                 |
| Form Factor                | SFP+                                    |
| Pluggable I/O Product Type | Cage Assembly with Integrated Connector |
| Sealable                   | Yes                                     |

Configuration Features

|                           |       |
|---------------------------|-------|
| Number of Positions       | 200   |
| Number of Ports           | 10    |
| Port Matrix Configuration | 2 x 5 |

Electrical Characteristics

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

Usage Conditions

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

Other

|                              |                    |
|------------------------------|--------------------|
| Included Lightpipe           | Yes                |
| EMI Containment Feature Type | Elastomeric Gasket |
| EU RoHS Compliance           | Compliant          |
| EU ELV Compliance            | Compliant          |

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 ppm.                                                                                  |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                    |



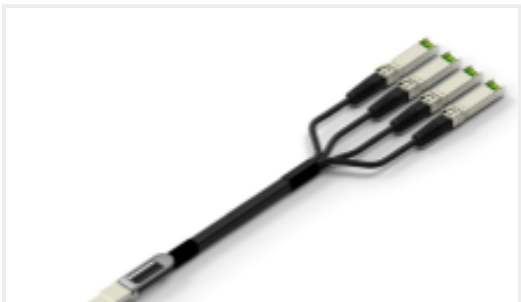
Product Compliance Disclaimer

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>

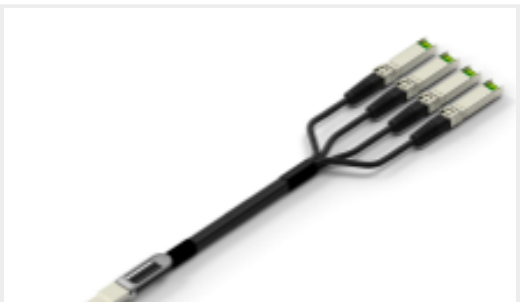
Compatible Parts



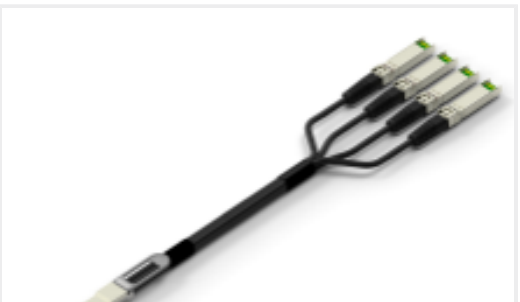
TE Part # 2142970-3  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M



TE Part # CAT-C11-N490333  
QSFP28-Four SFP+ Cable Assembly: 30 AWG



TE Part # CAT-Q17-N490333  
QSFP56-Four SFP56 Cable Assembly: 26 AWG



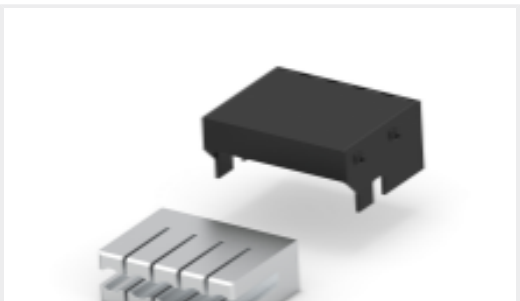
TE Part # CAT-C11-N490325  
QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # 2063048-6  
SFP EXTRACTION KIT ASM, 8 POS



TE Part # 2142970-4  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M



TE Part # 2018280-6  
KIT, SEAT TL SFP PLUS 2X5



TE Part # 2142970-2  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M



TE Part # 4-2821224-5  
SFP56 DIRECT ATTACH CA, 3M, 26AWG



TE Part # 2334985-2  
SFP28 DIRECT ATTACH CA, 1M, 32AWG



TE Part # CAT-C11-H5062  
SFP+ to SFP+ I/O Cable Assembly: 28 AWG



TE Part # CAT-Q17-N49011  
QSFP56-Four SFP56 Cable Assembly: 30 AWG





TE Part # CAT-C11-N49011  
SFP28 to SFP28 Cable Assembly: 26 AWG



TE Part # 2142970-7  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M



TE Part # CAT-C11-N4901114  
SFP28 to SFP28 Cable Assembly: 30 AWG



TE Part # 4-2821222-5  
SFP56 DIRECT ATTACH CA, 2M, 30AWG



TE Part # 2821033-8  
QSFP TO [4]SFP+, 28G, 1M, 33AWG



TE Part # 2142970-6  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 5M



TE Part # 2142970-5  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M



TE Part # 4-2334985-2  
SFP56 DIRECT ATTACH CA, 1M, 32AWG

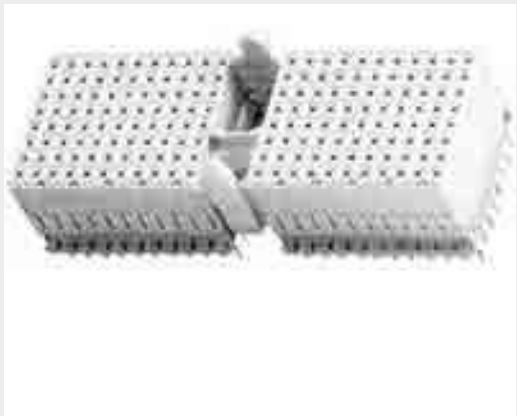
Customers Also Bought



TE Part #1-5084615-0  
0.8FH,P06H.5,200,30/Sn,TU



TE Part #5084615-2  
0.8FH,P06H.5,060,30/Sn,TU



TE Part #646773-1  
Z-PACK 2MM HM,TYPE D/E,VR



TE Part #2018849-1  
ASSY, SEATING TL, 6 ROW, 6 COL



TE Part #2018855-1  
ASSY, SEATING TL, 4 ROW, 8 COL



TE Part #2293574-1  
CAGE ASSY, QSFP28 1X1, SPRING, HS, LP



TE Part #5176374-2  
AMP FH CONN REC V 60P (H=14)



TE Part #7-1542006-8  
HTS804-U=29MM HS ASSY ULTEM CL



TE Part #2007821-2  
IMP100S,H,V4P10C,UG,LEW39,4.9



TE Part #2149977-2  
IMP100S,H,V4P6C,UG,REW39,4.9

Documents



Product Drawings

SFP+ assy 2x5 Gasket Inner LP Sn

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2169678-6\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2169678-6\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2169678-6\_B.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English