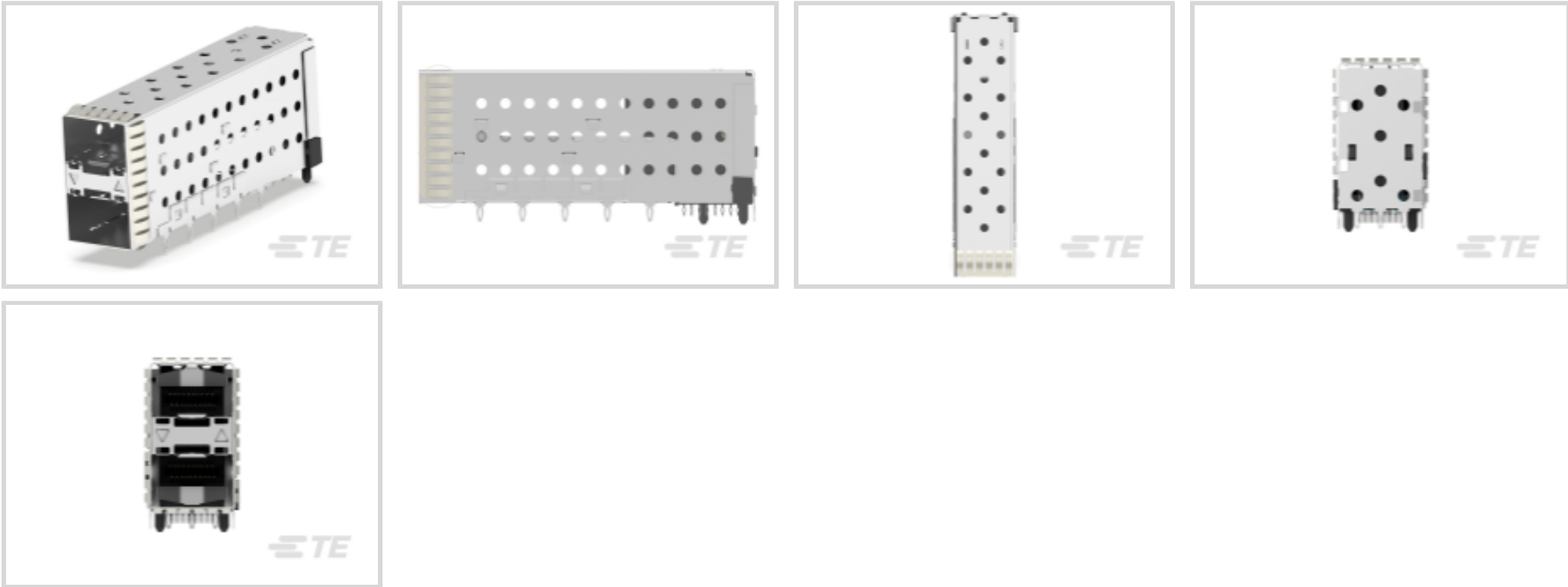




SFP28

TE Internal #: 1-2007492-7  
SFP+, Cage Assembly with Integrated Connector, .8mm [.032in]  
Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]  
[View on TE.com >](#)

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: **No**  
Circuit Application: **Signal**  
[All SFP+ Stacked Cage Assemblies \(73\)](#)

Features

Product Type Features

|                            |                                         |
|----------------------------|-----------------------------------------|
| Cage Type                  | Stacked                                 |
| Form Factor                | SFP+                                    |
| Pluggable I/O Product Type | Cage Assembly with Integrated Connector |
| Sealable                   | No                                      |

Configuration Features

|                           |       |
|---------------------------|-------|
| Number of Positions       | 40    |
| Number of Ports           | 2     |
| Port Matrix Configuration | 2 x 1 |

Electrical Characteristics

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

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 |

Termination Features

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

Housing Features

|                    |                |
|--------------------|----------------|
| Cage Material      | Nickel Silver  |
| 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 | EMI Enhanced |
| Heat Sink Compatible       | No           |
| Circuit Application        | Signal       |

Industry Standards

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

Packaging Features

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

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: JAN 2025 (247) |



|                           |                                                |
|---------------------------|------------------------------------------------|
|                           | 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 # CAT-C11-H506<br/>SFP+ to SFP+ I/O Cable Assembly: 26 AWG</p>   |  <p>TE Part # 2821033-8<br/>QSFP TO [4]SFP+, 28G, 1M, 33AWG</p>              |  <p>TE Part # 2142970-6<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 5M</p>         |  <p>TE Part # 2142970-5<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M</p> |
|  <p>TE Part # CAT-C11-H50626<br/>SFP+ to SFP+ I/O Cable Assembly: 30 AWG</p> |  <p>TE Part # 2142970-1<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M</p>     |  <p>TE Part # 4-2334985-2<br/>SFP56 DIRECT ATTACH CA, 1M, 32AWG</p>            |  <p>TE Part # 2142970-7<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M</p> |
|  <p>TE Part # 4-2821222-5<br/>SFP56 DIRECT ATTACH CA, 2M, 30AWG</p>          |  <p>TE Part # CAT-C11-N4901114<br/>SFP28 to SFP28 Cable Assembly: 30 AWG</p> |  <p>TE Part # CAT-Q17-N490333<br/>QSFP56-Four SFP56 Cable Assembly: 26 AWG</p> |  <p>TE Part # 2142970-3<br/>CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M</p> |



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



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



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



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



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



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



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



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

Customers Also Bought



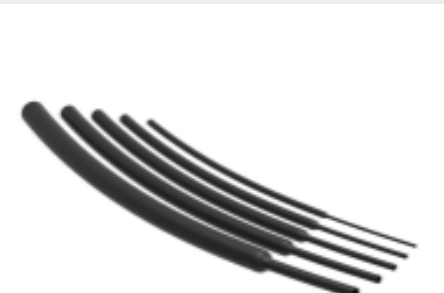
TE Part #155880-000  
CWT-11



TE Part #1888247-2  
20 POS SMT CONN, SFP/SFP+, 15A



TE Part #2007263-1  
SFP+ 1x2 Cage Assembly



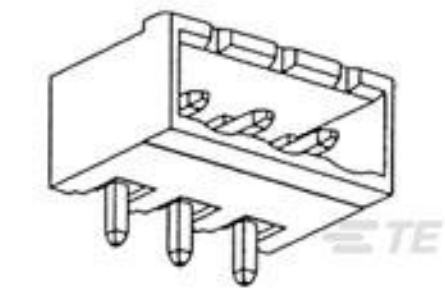
TE Part #NB15492001  
RNF-100-3/64-BK-STK



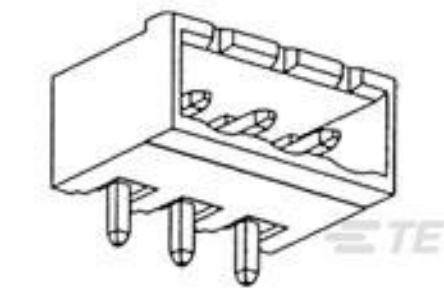
TE Part #2-31890-1  
PIDG R 22-16 COMM 22-18 MIL 8



TE Part #1-770966-0  
02P MINI UMN L R/A HDR ASSY SN



TE Part #796638-2  
2POS 5.08MM CE R/A HDR,TRM BLK



TE Part #796638-4  
4POS 5.08MM CE R/A HDR,TRM BLK



TE Part #5787169-7  
68 50SR R/A RCPT ASSY,RDSN L/F



TE Part #2007198-1  
SFP+ 1x1 Cage Assembly, Press-

Documents



Product Drawings

SFP+assy2x1 EMI Sprg Outer Lp Sn Enhance

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2007492-7\_E.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2007492-7\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2007492-7\_E.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

Agency Approvals

UL Report

English