



Connectors &gt; Pluggable IO Connectors &amp; 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

Cage Type	Ganged
Thermal Accessory Type Included	Heat Sink
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

Heat Sink Style	Pin
Heat Sink Height	13.5 mm[.531 in]
Heat Sink Height Class	Networking Tall

### Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm[.081 in]

### 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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 2142970-5  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M



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



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



TE Part # CAT-C11-H506  
SFP+ to SFP+ I/O Cable Assembly: 26 AWG



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



TE Part # 2110759-1  
PT CONN ASSY 20 POS 16G SFP



TE Part # CAT-C11-H50626  
SFP+ to SFP+ I/O Cable Assembly: 30 AWG



TE Part # 2142970-1  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M



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



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



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



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



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



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



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



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




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



TE Part # 2007182-1  
SFP Standard 1x2 Light Pipe Assm



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

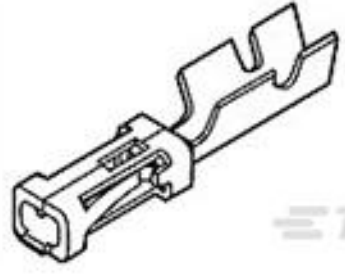


TE Part # 2185213-7  
ASSY, STG TL KIT, SFP+ENHANCED

## Customers Also Bought



TE Part #2820403012  
44A0111-24-0



TE Part #87309-8  
MOD V RECP PLTD SN



TE Part #1-747944-5  
09 SHLDG ENCL PLUG, LEAD FREE



TE Part #1445022-2  
MICRO MNL RECEPT HSG SINGLE R



TE Part #5-1676915-8  
YR1 0.1% 113R



TE Part #1825516-4  
MSP103C204




TE Part #3-1879026-4  
YR1 0.1% 21R



TE Part #2149730-4  
SFP+ Enhanced 1x4 Cage, Network Heatsink



TE Part #2198230-2  
SFP+ Enhanced 1x2, SAN Heatsink



TE Part #594170-E  
STVSKO H M 181 ABGE \*\* LP-1 \*\* MD \* J

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2198230-4\\_A.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2198230-4\\_A.3d\\_igs.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_CVM\\_2198230-4\\_A.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