



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

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

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

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

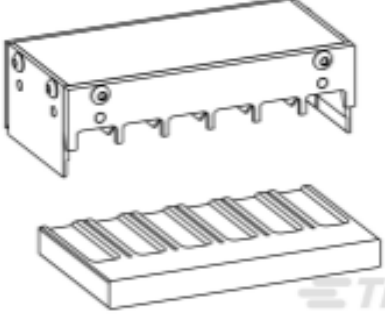
Product Compliance Disclaimer

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 # 2185213-5 ASSY, STG TL KIT, SFP+ENHANCED	 TE Part # CAT-C11-N4901114 SFP28 to SFP28 Cable Assembly: 30 AWG	 TE Part # 2142970-7 CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M	 TE Part # 4-2821222-5 SFP56 DIRECT ATTACH CA, 2M, 30AWG
 TE Part # 2007182-1 SFP Standard 1x2 Light Pipe Assm	 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 # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG
 TE Part # CAT-C11-H506 SFP+ to SFP+ I/O Cable Assembly: 26 AWG	 TE Part # 2142970-1 CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M	 TE Part # CAT-C11-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG	 TE Part # 2110759-1 PT CONN ASSY 20 POS 16G SFP
 TE Part # 4-2334985-2 SFP56 DIRECT ATTACH CA, 1M, 32AWG	 TE Part # 2142970-3 CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M	 TE Part # CAT-C11-N490325 QSFP28-Four SFP+ Cable Assembly: 26 AWG	 TE Part # CAT-Q17-N490333 QSFP56-Four SFP56 Cable Assembly: 26 AWG



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

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

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

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

Customers Also Bought

TE Part #747841-6
15 MSFL PLUG RA 318 (SL,FM,BL)

TE Part #1825516-4
MSP103C204

TE Part #1888631-1
Cage Assy PCI Hsink QSFP Thru

TE Part #2007625-1
1x4 QSFP Kit Assy Bhnd Bzl,PCI

TE Part #2110819-1
QSFP+ Enh EVERCLEAR PT Conn

TE Part #2149730-2
SFP+ Enhanced 1x4 Cage, PCI
Heatsink

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

TE Part #2-2176315-3
MELF SMA_A 6K8 0.1% 15PPM 0204
0.4W

TE Part #2198230-4
SFP+ Enhanced 1x2, Networking
Heatsink

TE Part #2332816-2
RA Plug Assy Left End Multigig RT 3

Documents

- 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

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

Product Specifications

[Application Specification](#)

English