



Connectors > Pluggable IO Connectors & Cages > SFP/SFP+/zSFP+

Pluggable I/O Product Type: **Cage Assembly**Data Rate (Max): **16 Gb/s**EMI Containment Feature Type: **External Springs**Pluggable I/O Applications: **SFP+ Enhanced**Thermal Accessory Type Included: **Heat Sink**

Features

Product Type Features

Form Factor	SFP+
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Thermal Accessory Type Included	Heat Sink
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	1 x 6
Number of Ports	6

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Body Features

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

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

PCB Mounting Style	Through Hole - Press-Fit
Connector Mounting Type	Board Mount

Housing Features

Cage Material	Nickel Silver
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Dimensions

Tail Length	2.05 mm[.081 in]
PCB Thickness (Recommended)	2.25 mm[.089 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Heat Sink Compatible	Yes
For Use With Pluggable I/O Products	SFP+ SMT Connector
Pluggable I/O Applications	SFP+ Enhanced
Circuit Application	Signal

Packaging Features

Packaging Method	Box & Tray, Package
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Other

EMI Containment Feature Type	External Springs
Included Lightpipe	No

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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 # CAT-SF59-C76264
SFP Connectors



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



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-N4901142
SFP28 to SFP28 Cable Assembly: 32 AWG



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



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



TE Part # CAT-C11-G28037
SFP56 to SFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-G28
SFP56 to SFP56 Cable Assembly: 26 AWG



TE Part # CAT-SF59-AC229
SFP accessories



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



TE Part # 2007174-1
SFP Standard 1x6 Light Pipe Assm



TE Part # CAT-C11-H5
SFP+ to SFP+ I/O Cable Assembly: 24 AWG



TE Part # CAT-C11-H506
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 # 2142970-1
CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M



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



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

Customers Also Bought



TE Part #2169666-2
CFP HW Kit, No HS, With Clips and Screws



TE Part #2169666-1
CFP HW Kit, No HS, With Clips



TE Part #EG8505-000
DK-621-0012-PM



TE Part #2-1879220-0
CPF 0603 13K7 0.1% 25PPM 5K RL



TE Part #2198231-2
SFP+ Enhanced 1x2, SAN Heatsink, LP



TE Part #2227302-3
CAGE ASSY, PRESS FIT, SFP



TE Part #1888506-2
2X4 OFFSET,SHLD,RJ45,STJK ASSY



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



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



TE Part #1676447-5
RN 0805 84K5 0.1% 10PPM CUT LENGTH

Documents



Product Drawings

SFP+ Enhanced 1x6, Networking Heatsink

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2198235-4_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2198235-4_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2198235-4_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English