



Connectors > Pluggable IO Connectors & Cages



Form Factor: **SFP+**

Pluggable I/O Product Type: **Cage Assembly**

Sealable: **No**

Circuit Application: **Signal**

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

Features

Product Type Features

Cage Type	Ganged
Thermal Accessory Type Included	Heat Sink
Form Factor	SFP+
Pluggable I/O Product Type	Cage Assembly
Sealable	No

Configuration Features

Number of Ports	4
Port Matrix Configuration	1 x 4

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Body Features

Heat Sink Style	Pin
	.256 in
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
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Dimensions

PCB Thickness (Recommended)	2.25 mm
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Usage Conditions

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

Pluggable I/O Applications	SFP+ Enhanced
Heat Sink Compatible	Yes
Circuit Application	Signal

Packaging Features

Packaging Method	Package
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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 # 2142970-3 CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M	 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-Q17-N490333 QSFP56-Four SFP56 Cable Assembly: 26 AWG
 TE Part # 2185251-2 STG TL SFP+ ENHANCED 1X4 HS LP	 TE Part # 2170068-1 SFP+ 1x4 Light Pipe Assembly Low Profile	 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 # 2142970-7 CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M	 TE Part # 2007099-4 SFP+ 1x4 Light Pipe Assembly	 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 # 2142970-4 CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M	 TE Part # 2142970-2 CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M	 TE Part # CAT-C11-N49011 SFP28 to SFP28 Cable Assembly: 26 AWG	 TE Part # 4-2821224-5 SFP56 DIRECT ATTACH CA, 3M, 26AWG



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

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

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

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

Customers Also Bought

TE Part #4-2176362-8
RQ 0402 124R 0.1% 10PPM 5K RL

TE Part #1761014-3
SFP 1X2 CAGE ASSY, PRESS FIT

TE Part #3-1469373-7
ATCA GUIDE MODULE RA FEMALE

TE Part #2318579-2
RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS

TE Part #4-2176524-2
3503G 2B 1K47 1% 1K RL

TE Part #2065657-1
zd Plus, 4 pair, receptacle assy

TE Part #1393236-1
V23092A1005A201=SNR

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

TE Part #640584-1
08P UMNL HDR ASSY R/A 94VO

TE Part #2343988-3
RECEPT CAGE ASSY 1X4 QSFP-DD W HS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2149730-3_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2149730-3_A.3d_igs.zip

English



Customer View Model

[ENG_CVM_CVM_2149730-3_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English