

SFP+ Assy 2x8 Sprng Outer Lp Sn ✓ ACTIVE

TE Part # 2149490-7

TE Internal #: 2149490-7

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



Form Factor: **SFP+**

Product Type: **Cage Assembly with Integrated Connector**

Data Rate (Max): **16 Gb/s**

EMI Containment Feature Type: **External Springs**

Cage Type: **Stacked**

Features

Product Type Features

Form Factor	SFP+
Product Type	Cage Assembly with Integrated Connector
Cage Type	Stacked
Included Heat Sink	No
Integrated Lightpipes	Yes
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 8
Lightpipe Configuration	Single Triangular (Outer)
Number of Ports	16
Number of Positions	320

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Contact Features

Tail Plating Material	Tin
Contact Mating Area Plating Thickness	.76 µm
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel

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
Centerline (Pitch)	.8 mm[.0315 in]

Dimensions

Tail Length	3 mm[.118 in]
PCB Thickness (Recommended)	1.5 mm[.059 in]

Usage Conditions

Operating Temperature Range	-55 – 105 °C[-65 – 221 °F]
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Operation/Application

Heat Sink Compatible	No
Pluggable I/O Applications	SFP+
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Carton
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Other

EMI Containment Feature Type	External Springs
Included Lightpipe	Yes

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 2019 (197) Not Yet Reviewed

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Pluggable I/O Cable Assemblies(58)

Customers Also Bought



TE Part #3-1827233-6
.5FHP05H,440,B,GIG,08/Sn, HT,NS



TE Part #5352068-1
Z-PACK/A RAF 110P



TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY



TE Part #2057630-1
CFP Receptacle Conn Assy



TE Part #1761987-9

Receptacle Conn Assm 38 Pos Tap

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TE Part #1489951-1

XFP CAGE ASSEMBLY



TE Part #1367147-1

SFP COVER, UNPLATED



TE Part #1367073-2

20 POS SMT CONN, SFP,
30AU



TE Part #1489948-2

XFP HEAT SINK CLIP,
PLATED



TE Part #1367073-1

20 POS SMT CONN, SFP,
15AU

Documents

Product Drawings

[SFP+ Assy 2x8 Sprg Outer Lp Sn](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2149490-7_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2149490-7_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2149490-7_B.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[4-1773455-3 - Quick Reference Guide SFP+ Solutions](#)

English

Product Specifications

[Product Specification](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English



[Instruction Sheet \(U.S.\)](#)

English