SFP+ Assy 2x8 Sprg 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	

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
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]
Operation/Application	
Heat Sink Compatible	No
Pluggable I/O Applications	SFP+
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Box & Carton
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



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 # 2149490-7 TE Internal #: 2149490-7







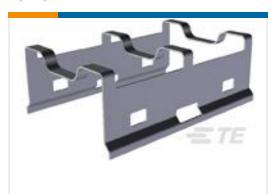
TE Part #1367147-1

TE Part #1761987-9

ReceptacleConnAssm38PosTap&FP CAGE ASSEMBLY

TE Part #1367073-2 SFP COVER, UNPLATED 20 POS SMT CONN, SFP, 30AU

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TE Part #1489951-1

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

SFP+ Assy 2x8 Sprg Outer Lp Sn

TE Part # 2149490-7 TE Internal #: 2149490-7



Instruction Sheet (U.S.)

English