

SFP28

TE Internal #: 2149490-5

SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector,

Data Rate (Max) 16 Gb/s, Internal/External EMI Springs, SFP+, With

Lightpipe, 2 x 8

View on TE.com >



Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+ > SFP+ Stacked Cage Assemblies



Pluggable I/O Product Type: Cage Assembly with Integrated Connector

Data Rate (Max): 16 Gb/s

EMI Containment Feature Type: Internal/External EMI Springs

Pluggable I/O Applications: SFP+ Lightpipe Options: With Lightpipe

All SFP+ Stacked Cage Assemblies (125)

Features

Product Type Features

Form Factor	SFP+
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Lightpipe Options	With Lightpipe
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 8
Lightpipe Configuration	Four Triangular (Inner & 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 Material Thickness	.76 µm



Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Termination Features	
Termination Post & Tail Length	3 mm[.118 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Mechanical Attachment	
Connector Mounting Type	Board Mount
Housing Features	
Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]
Dimensions	
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	Package
Other	
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: JUNE 2023 (235)



Candidate List Declared Against: JUNE 2023 (235)

Does not contain REACH SVHC

Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.

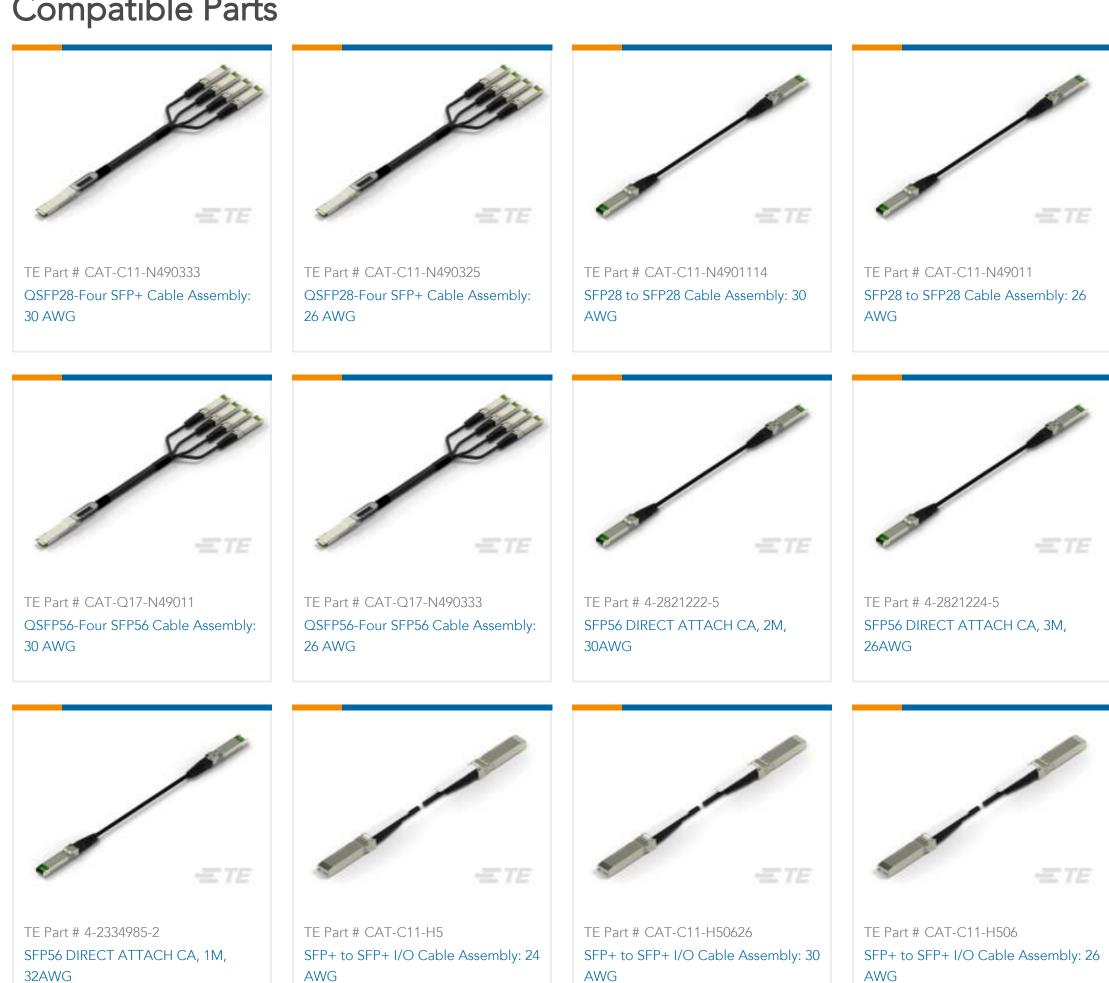
Solder Process Capability

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 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-onreach

Compatible Parts







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 # 2018280-5 KIT, SEAT TL SFP PLUS 2X8



TE Part # 2063048-5 SFP EXTRACTION KIT ASM, 5 POS



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

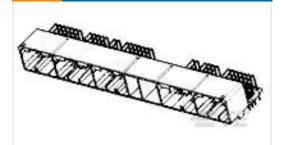


TE Part # 2142970-4 CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M

Customers Also Bought



TE Part #1932626-1 MJ,10MM,8P,BEZEL PNL TABS,SN



TE Part #6473649-1 025/040 200POS CAP ASSY H



TE Part #2061433-2 FOAC FULLAXS BULKHEAD HOUSING



TE Part #1746986-2 GROUND RETURN LOWER SHIELD TYPE B,PB-FRE TE Part #2361314-5 SFP56 STACKED 2X4 RECEPTACLE ASSEMBLY TE Part #353830-7 040 III HD 72POS CAP ASSY H TIN TE Part #8-2355644-1
DDR5 DIMM SMT_blue hsg&blue latch



Documents



Product Drawings

SFP+ Assy 2x8 Sprg 4 Lp Sn

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2149490-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2149490-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2149490-5_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

4-1773455-3 - Quick Reference Guide SFP+ Solutions

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English