



SFP28

TE Internal #: 2149490-5
SFP+, Cage Assembly with Integrated Connector, .032in [.8mm]
Centerline, Signal, Operating Temperature Range -55 - 105 °C [-65 - 221 °F]
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Connectors > Pluggable IO Connectors & Cages > SFP+ Stacked Cage Assemblies



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **No**
Circuit Application: **Signal**
Operating Temperature Range: **-55 - 105 °C [-65 - 221 °F]**

[All SFP+ Stacked Cage Assemblies \(122\)](#)

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No
Form Factor	SFP+

Configuration Features

Number of Positions	320
Number of Ports	16
Port Matrix Configuration	2 x 8

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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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]
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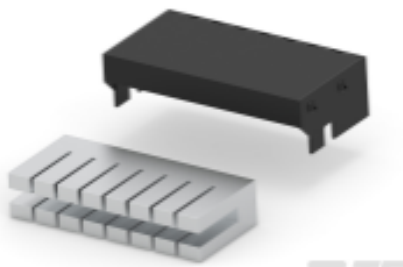
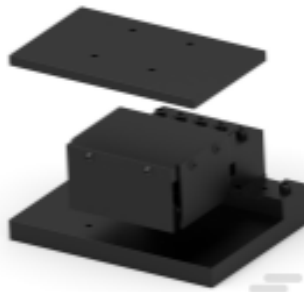
Termination Method to Printed Circuit Board	Through Hole - Press-Fit
Housing Features	
Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]
Dimensions	
PCB Thickness (Recommended)	1.5 mm[.059 in]
Usage Conditions	
Operating Temperature Range	-55 - 105 °C[-65 - 221 °F]
Operation/Application	
Pluggable I/O Applications	SFP+
Heat Sink Compatible	No
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Method	Package
Other	
Included Lightpipe	Yes
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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-on-reach>

Compatible Parts

 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 # 2334985-2 SFP28 DIRECT ATTACH CA, 1M, 32AWG
 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 # 4-2821224-5 SFP56 DIRECT ATTACH CA, 3M, 26AWG	 TE Part # 4-2334985-2 SFP56 DIRECT ATTACH CA, 1M, 32AWG	 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 # 4-2821222-5 SFP56 DIRECT ATTACH CA, 2M, 30AWG	 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

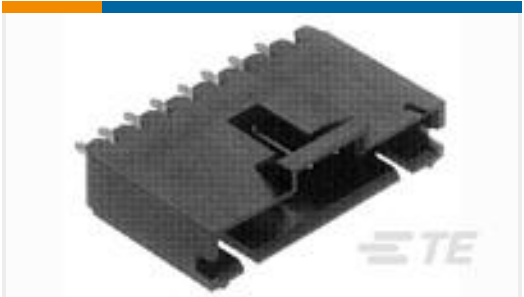


TE Part # 2142970-4
CABLE ASSY, MICRO SFP+ TO STD
SFP+, 3M

Customers Also Bought



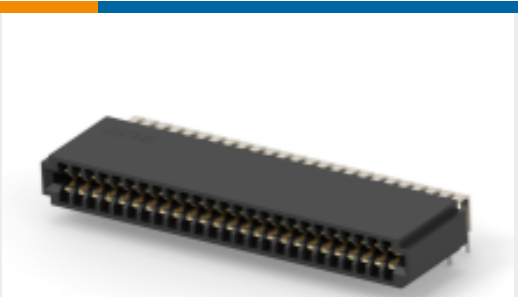
TE Part # 2227728-1
zSFP+ 1x2 Cage Assy, Press-Fit



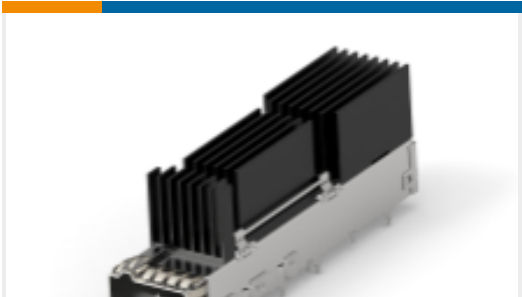
TE Part # 103670-2
03 MTE HDR SRST LATCH W/HLDWN



TE Part # 2-2351050-5
LGA4677 TFLM ASSY,W/ COVER



TE Part # 2358256-1
SBCE, 2X25P



TE Part # 2359845-3
CAGE ASSY W/ HS,SFP-DD 1X1,
GENERAL



TE Part # 8-2355626-1
DDR5 DIMM BLACK HSG AND BLACK
LATCH



TE Part # 2361314-5
SFP56 STACKED 2X4 RECEPTACLE
ASSEMBLY



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

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English