



SFP28

TE Internal #: 2170286-1

SFP, Cage Assembly with Integrated Connector, .8mm [.032in]

Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]

[View on TE.com >](#)

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 [-67 – 221 °F]**

[All SFP+ Stacked Cage Assemblies \(73\)](#)

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	160
Number of Ports	8
Port Matrix Configuration	2 x 4

Electrical Characteristics

Data Rate (Max)	4 Gb/s
-----------------	--------

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
--	-------------------



Contact Mating Area Plating Material	Gold
--------------------------------------	------

Termination Features

Termination Post & Tail Length	3 mm[.118 in]
Termination Method to PCB	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[-67 – 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	Tray
------------------	------

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2022 (224) 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 # 1367147-1
SFP COVER, UNPLATED



TE Part # 1367147-3
SFP COVER, UNPL, NO LOGO



TE Part # 1761005-1
SFP 2X4 LIGHT PIPE ASSY

Customers Also Bought



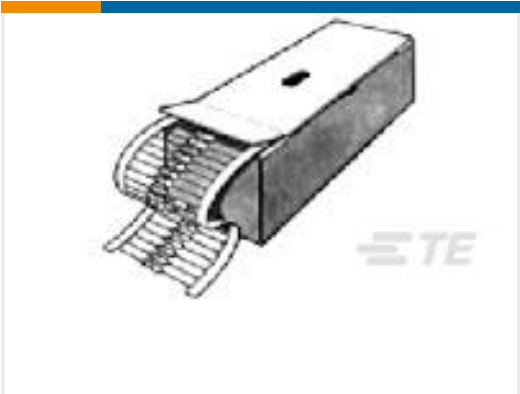
TE Part #1-2007637-8
SFP+ assy 2x2 EMI Spg No LP
Enhanced



TE Part #3-640621-2
02P MTA100 CONN ASSY F/T NATL



TE Part #8-1625971-4
HSA25 R47 5%



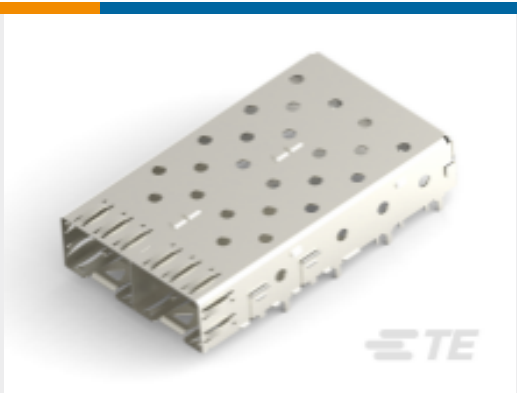
TE Part #2176083-7
EP 5W (S) 100R 5%



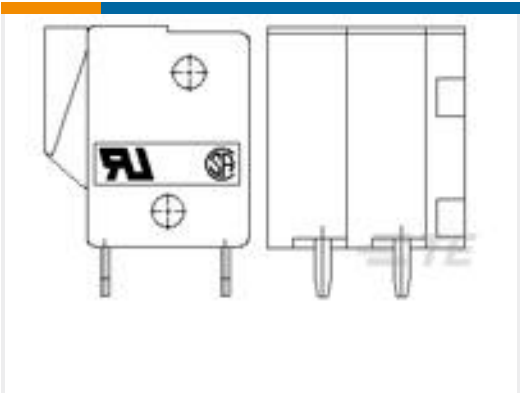
TE Part #2291634-3
SFP+ 1X1 CAGE ASSY, PF,WITH
HEATSINK



TE Part #2187194-1
SW PIR RECT, 100OHM, 9X6SP



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



TE Part #1776259-3
3P Spring TB, 180deg, VT,5mm, Green



TE Part #2319764-4
E STACK PIANO 8P G LONG TUBE
PD ON



TE Part #A81191-000
T1K-191064-10-9

Documents

Product Drawings

PRESS FIT 2X4 REDUCED PROFILE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170286-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170286-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170286-1_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English