



SFP28

TE Internal #: 2169678-5

SFP+, Cage Assembly with Integrated Connector, .032in [.8mm]
Centerline, Sealable, Signal, Operating Temperature Range -55 – 105 °C [-65 – 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**

Number of Positions: **200**

Centerline (Pitch): **.8 mm [.032 in]**

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

Sealable: **Yes**

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

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	Yes
Form Factor	SFP+

Configuration Features

Number of Positions	200
Number of Ports	10
Port Matrix Configuration	2 x 5

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

Elastomeric Gasket

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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)
 SVHC > Threshold:
 Octamethylcyclotetrasiloxane (D4) (1% in Component Part)

Article Safe Usage Statements:

Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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 # 4-2821222-5
SFP56 DIRECT ATTACH CA, 2M, 30AWG



TE Part # 4-2821224-5
SFP56 DIRECT ATTACH CA, 3M, 26AWG



TE Part # 4-2334985-2
SFP56 DIRECT ATTACH CA, 1M, 26AWG



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 # 2018280-6
KIT, SEAT TL SFP PLUS 2X5



TE Part # 2063048-6
SFP EXTRACTION KIT ASM, 8 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 #90546-1
ASSY PRO-CRIMPER UNIV M-N-L



TE Part #5557730-1
MJ,TE,8P/8C,SHLD,PNL STOPS&G



TE Part #81543-23
CONT SOC ASSY




TE Part #104257-7
08 MTE RCPT HSG SR LATCH .100



TE Part #350550-1
UMNL SOK 20-14 PTPBR L/P



TE Part #1437624-7
PK50B1/8=KNOB PLASTIC BLK 1/8



TE Part #6162-213-1677
CONT SOC ASSY



TE Part #704613-000
S02-06-R

Documents

Product Drawings

SFP+assy 2x5 Gasket 4 LP Sn

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2169678-5_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2169678-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2169678-5_B.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

English

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

English