# 2169788-5 ACTIVE

## SFP28

TE Internal #: 2169788-5

SFP/SFP+/zSFP+, Cage Assembly with Integrated Connector, Data

Rate (Max) 16 Gb/s, Elastomeric Gasket, SFP+, Included Lightpipe

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: Elastomeric Gasket

Pluggable I/O Applications: **SFP+** 

Included Lightpipe: Yes

All SFP+ Stacked Cage Assemblies (122)

## **Features**

## **Product Type Features**

Form Factor	SFP+
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Integrated Lightpipes	Yes
Connector System	Cable-to-Board
Sealable	Yes
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 Data (Maxx)	
Data Rate (Max) 16 Gb/s	

## **Contact Features**

Tail Plating Material	Tin
Contact Mating Area Plating Thickness	.76 μm



ng Area Plating Material Gold or Gold Flash over Palladium Nickel
eatures
Method to Printed Circuit Board Through Hole - Press-Fit
tachment
ng Style Through Hole - Press-Fit
lounting Type Board Mount
ires
Nickel Silver
itch) .8 mm[.032 in]
3 mm[.118 in]
ss (Recommended) 1.5 mm[.059 in]
ons
emperature Range -55 – 105 °C[-65 – 221 °F]
plication
mpatible No
D Applications SFP+
cation Signal
ards
llity Rating UL 94V-0
tures
ethod Package
ment Feature Type Elastomeric Gasket
ntpipe 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 2021

(211)

Candidate List Declared Against: JUN 2015

(163)

SVHC > Threshold: 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



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 # CAT-C11-N49011142 SFP28 to SFP28 Cable Assembly: 32 AWG



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 # CAT-C11-G28037 SFP56 to SFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-G28 SFP56 to SFP56 Cable Assembly: 26 AWG



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 # 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



TE Part # 2142970-5 CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M



TE Part # 2142970-6 CABLE ASSY, MICRO SFP+ TO STD SFP+, 5M

# Customers Also Bought



TE Part #2007626-2 1x4 QSFP Kit Assy Sqr LP, Networking



TE Part #1648360-1 708-0134-01109=SA CONTACT,SKT



TE Part #2007788-2 IMP100S,H,V3P10C,UG,OEW39,4.9



TE Part #4-2170705-5 CAGE ASSY, QSFP28 1X1, SPRING, HS, LP



TE Part #2288218-6
HEAT SINK,FRONT TO BACK
AIREFLOW,CFP2



TE Part #3-1437665-5 JC6-P207-04=JC6 ASSEMBLY



TE Part #7-1761614-5 STEP-Z PLUG 25MM 200P LF ST



TE Part #2-6450880-0 MBXL R/A RCPT 1LP + 16S + 1LP







## **Documents**

## **Product Drawings**

SFP+ Assy 2x8 Gskt 4 Lp Sn

English

## **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2169788-5\_D.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2169788-5\_D.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2169788-5\_D.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

## **Product Environmental Compliance**

**TE Material Declaration** 

English

## **Instruction Sheets**

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English