



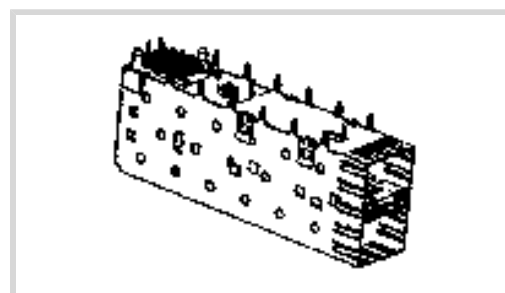
SFP28

TE Internal #: 2170282-1

SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector, Data Rate (Max) 4 Gb/s, Internal/External EMI Springs, SFP, Not Optional, 2 x 1

[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): **4 Gb/s**

EMI Containment Feature Type: **Internal/External EMI Springs**

Pluggable I/O Applications: **SFP**

Lightpipe Options: **Not Optional**

[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	Not Optional
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Port Matrix Configuration	2 x 1
Number of Ports	2
Number of Positions	40

### Electrical Characteristics

Data Rate (Max)	4 Gb/s
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### Contact Features

Tail Plating Material	Tin
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 Printed Circuit Board	Through Hole - Press-Fit

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]

### Dimensions

PCB Thickness (Recommended)	1.5 mm[.059 in]
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### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### Operation/Application

Heat Sink Compatible	No
Pluggable I/O Applications	SFP
Circuit Application	Signal

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Box & Tray, Tray
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### Other

Pluggable I/O Connectors Comment	Low Profile
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 2023 (233)



Candidate List Declared Against: JAN 2023  
(233)

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 # 1948134-1  
C/A, PASSIVE SFP 4.25GBPS, 0.5M, 28AWG



TE Part # 1948134-2  
C/A, PASSIVE SFP 4.25GBPS, 1.0M, 28AWG



TE Part # 1948134-3  
C/A, PASSIVE SFP 4.25GBPS, 2.0M, 28AWG



TE Part # 1948134-4  
C/A, PASSIVE SFP 4.25GBPS, 3.0M, 28AWG



TE Part # 1948134-5  
C/A, PASSIVE SFP 4.25GBPS, 4.0M, 28AWG

### Customers Also Bought



TE Part #5747497-4  
50 PLUG RA/MS STD (SL)



TE Part #3-1827253-6  
.5FHP05H,220,S,GIG,08/Sn,HT,NSYes



TE Part #2170088-2  
ZSFP+ Connector,15u"



TE Part #5-1879125-1  
RN 0402 75R 0.1% 10PPM 5K RL

## Documents

### Product Drawings

#### PRESS FIT 2X1 REDUCED PROFILE

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170282-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170282-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170282-1\\_A.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