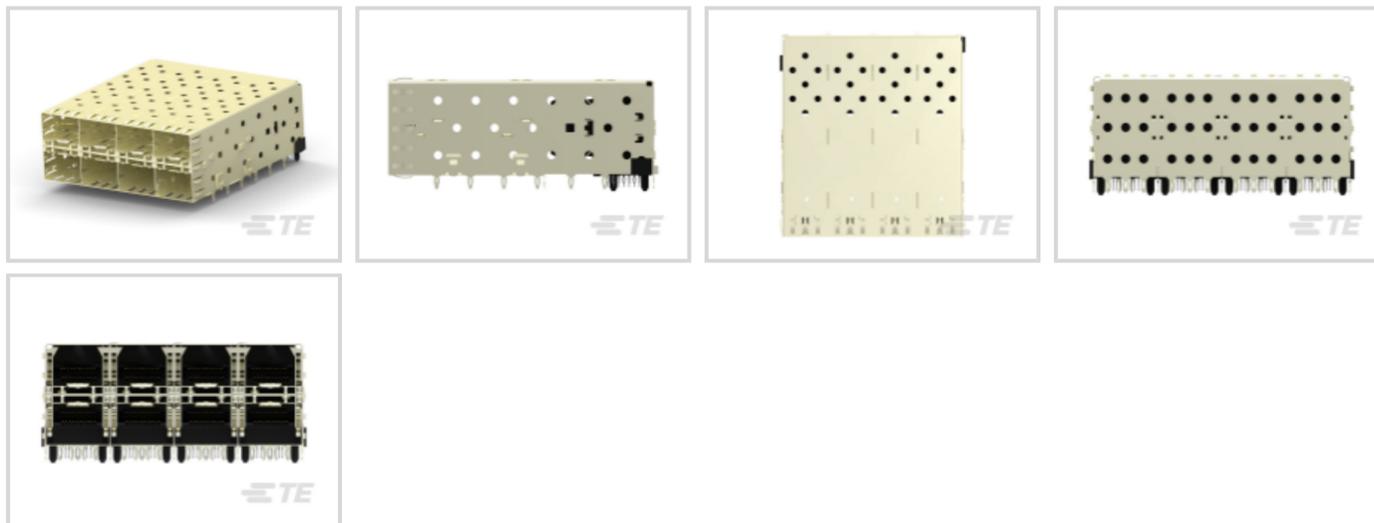# 2170286-1 ✓ ACTIVE

SFP28

TE Internal #: 2170286-1

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

View on TE.com >

Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Data Rate (Max): **4 Gb/s**

EMI Containment Feature Type: **External 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 4
Number of Ports	8
Number of Positions	160

Electrical Characteristics

Data Rate (Max)	4 Gb/s

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

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 Printed Circuit Board	Through Hole - Press-Fit

Mechanical Attachment

Connector Mounting Type	Board Mount

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

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

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray, Tray

Other

Pluggable I/O Connectors Comment	Low Profile
EMI Containment Feature Type	External 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

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SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector, Data Rate (Max) 4 Gb
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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 2022 (224) 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

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

Documents

Product Drawings

PRESS FIT 2X4 REDUCED PROFILE

English

2170286-1

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

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