

# 2170680-1 ✓ ACTIVE

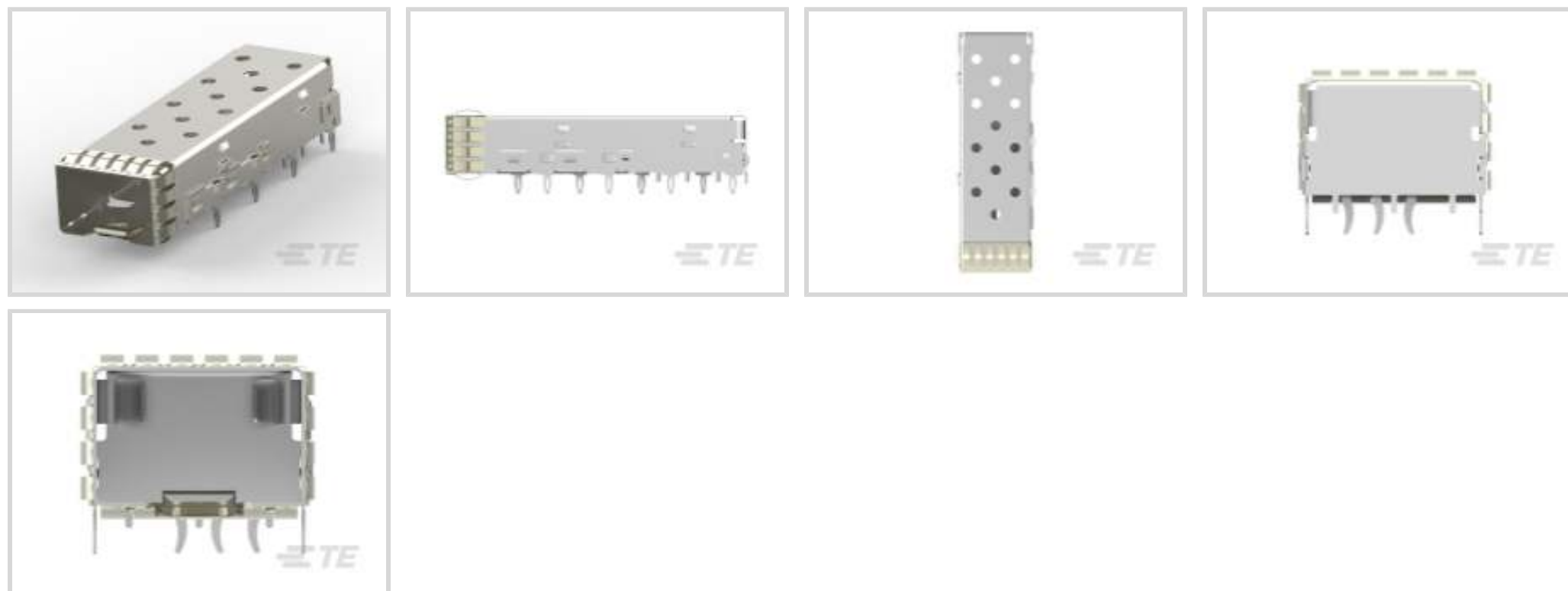
TE Internal #: 2170680-1

SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,  
Internal/External EMI Springs, SFP+, Not Optional, 1 x 1, Through  
Hole - Press-Fit, 1 Port

[View on TE.com >](#)



Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+



Pluggable I/O Product Type: **Cage Assembly**

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

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

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

Lightpipe Options: **Not Optional**

## Features

### Product Type Features

Form Factor	SFP+
Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Lightpipe Options	Not Optional
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Port Matrix Configuration	1 x 1
Number of Ports	1

### Electrical Characteristics

Data Rate (Max)	16 Gb/s
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### Termination Features

Termination Post & Tail Length	3 mm
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Termination Method to Printed Circuit Board

Through Hole - Press-Fit

### Mechanical Attachment

Connector Mounting Type

Board Mount

### Housing Features

Cage Material

Nickel Silver Alloy

### 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

For Use With Pluggable I/O Products

SFP+ SMT Connector

Pluggable I/O Applications

SFP+

Circuit Application

Signal

### Industry Standards

UL Flammability Rating

UL 94V-0

### Packaging Features

Packaging Method

Tray

### Other

EMI Containment Feature Type

Internal/External EMI Springs

### 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)

Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I &lt; 900 ppm per homogenous material. Also BFR/CFR/PVC Free



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-N490333  
QSFP28-Four SFP+ Cable Assembly:  
30 AWG



TE Part # CAT-C11-N490325  
QSFP28-Four SFP+ Cable Assembly:  
26 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 # 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,  
32AWG



TE Part # 2170619-2  
HEATSINK SLUG, SFP+



TE Part # 2334985-2  
SFP28 DIRECT ATTACH CA, 1M,  
32AWG



TE Part # 2215087-1  
KIT, SEATING TOOL, 1X1 SFP+



TE Part # 2821033-8  
QSFP TO [4]SFP+, 28G, 1M, 33AWG

### Customers Also Bought



TE Part #5748979-1  
AMP III RCPT 9P RA 318 FFSCRLK /BDLK



TE Part #1461352-6  
PCH-124L2M,000



TE Part #1-2324271-1  
RIGHT SEGMENT LGA4189-4 SOCKETP4 FOR ODM



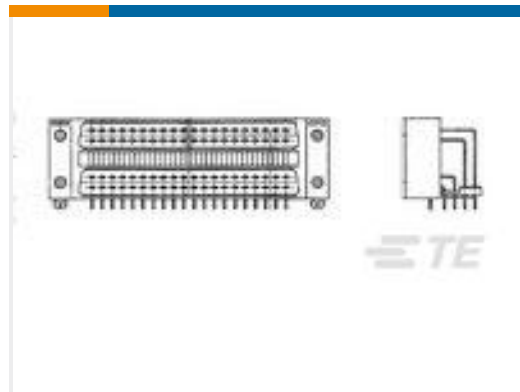
TE Part #1-2324271-2  
LEFT SEGMENT LGA4189-4 SOCKET-P4 FOR ODM



TE Part #900413-1  
PC I/O RETENTION LEG ASSY 40P



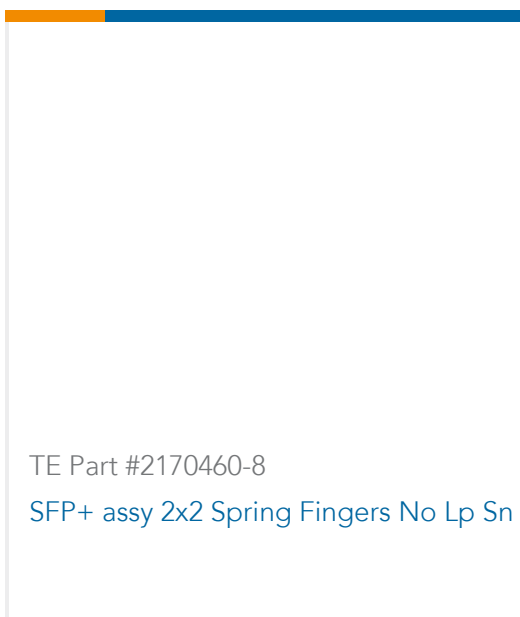
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PC I/O RETENTION LEG ASSY 40P



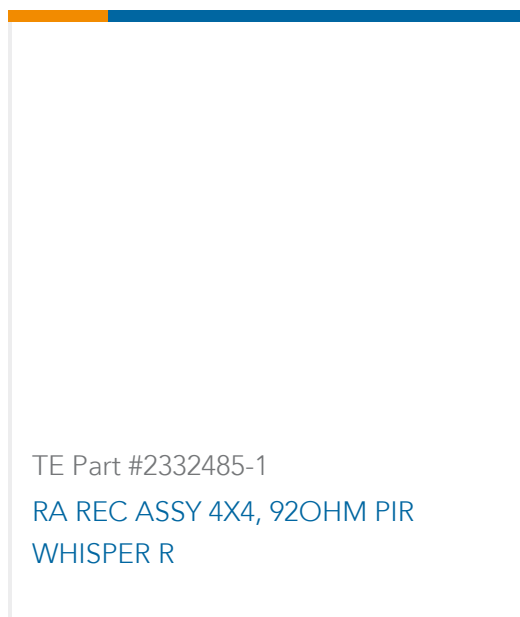
TE Part #900412-2  
PC I/O RETENTION LEG ASSY 80P



TE Part #8-5177986-3  
0.8FH,P05H.5.080,15/SN,TR,SC



TE Part #2170460-8  
SFP+ assy 2x2 Spring Fingers No Lp Sn



TE Part #2332485-1  
RA REC ASSY 4X4, 92OHM PIR WHISPER R

### Documents

#### Product Drawings

SFP+ 1x1 Cage Assembly, Press-

English

#### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2170680-1\_A.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170680-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170680-1\\_A.3d\\_stp.zip](#)

English

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

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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

[MD\\_2170680-1\\_050920181211\\_dmtec](#)

English

[MD\\_2170680-1\\_050920181211\\_dmtec](#)

English