

# 2170680-1 ✓ ACTIVE

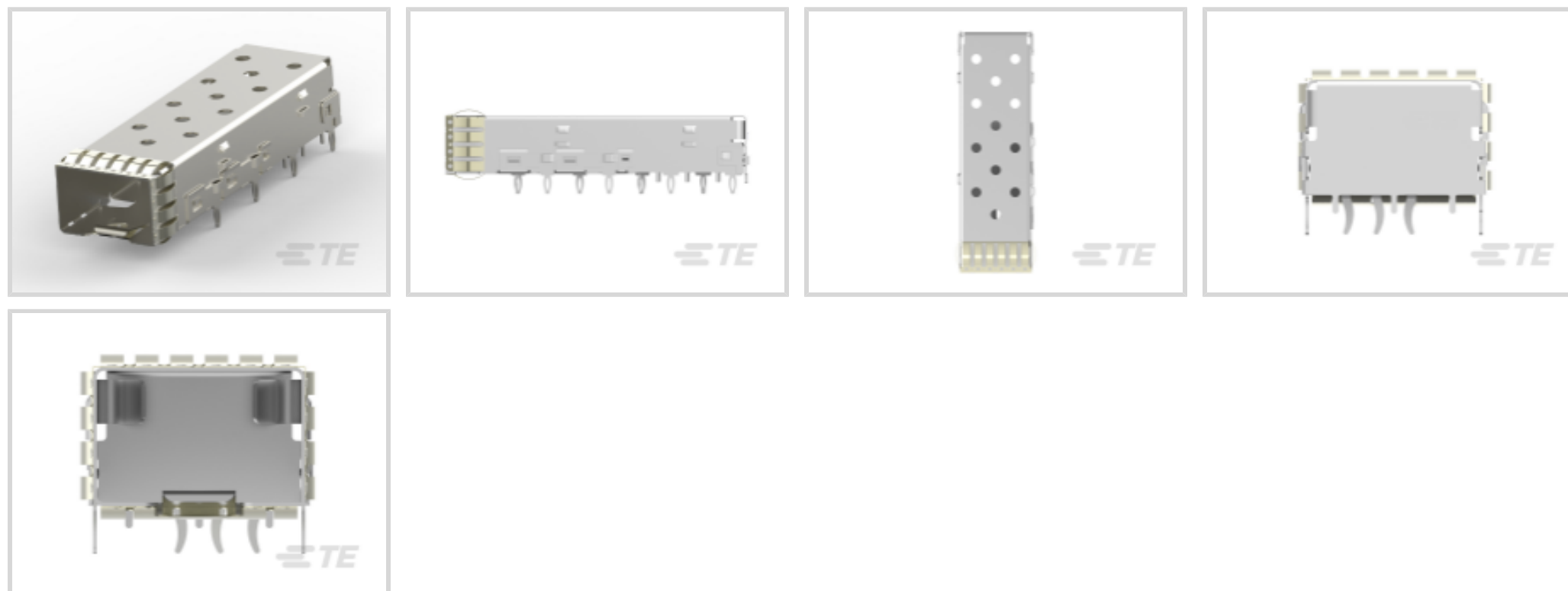
TE Internal #: 2170680-1

SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s, EMI Springs, SFP+, 1 x 1, Through Hole - Press-Fit Mount, 1 Port, Cable-to-Board, Sealable

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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: **EMI Springs**

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

Included Lightpipe: **No**

## Features

### Product Type Features

Form Factor	SFP+
Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
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 Method to Printed Circuit Board	Through Hole - Press-Fit
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### Mechanical Attachment



PCB Mounting Style	Through Hole - Press-Fit
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Connector Mounting Type	Board Mount
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### Housing Features

Cage Material	Nickel Silver Alloy
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### Dimensions

Tail Length	3 mm
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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
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For Use With Pluggable I/O Products	SFP+ SMT Connector
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Pluggable I/O Applications	SFP+
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Circuit Application	Signal
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### Industry Standards

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

Packaging Method	Tray
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### Other

EMI Containment Feature Type	EMI Springs
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Included Lightpipe	No
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per
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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 # 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, 32AWG

TE Part # 2170619-2  
HEATSINK SLUG, SFP+

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 #2299805-3  
NRW BACK PLATE ASSY, SOCKET P0, STUD7.74MM



TE Part #1888247-1  
20 POS SMT CONN, SFP/SFP+, 30A



TE Part #2180850-7  
IMP,PWR,3PR,HDR,L-HLD,2X,797-3,797-6



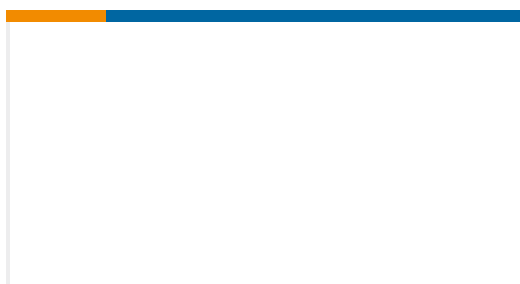
TE Part #2180850-1  
IMP,PWR,3PR,HDR,L-HLD,1X,797-1,N /A



TE Part #1494710-4  
LGIS XGC-E301, 3M



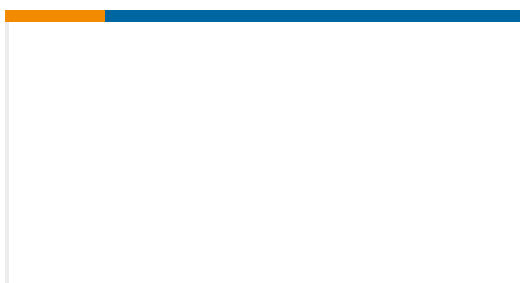
TE Part #1494710-5  
LGIS XGC-E501, 5M



TE Part #2170453-1  
SFP+ 1x4 Cage Assy, with Heatsink



TE Part #2350231-7  
SFP28 STACKED 2X1 RECEPTACLE ASSEMBLY



TE Part #2180520-4  
SW 360, 8x6, 4.5, PdNi Sn

## 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

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

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

English

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English