

2-2170680-1 ✓ ACTIVE

TE Internal #: 2-2170680-1

SFP+, Cage Assembly, Sealable, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 16 Gb/s, 1 Ports

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Connectors > Pluggable IO Connectors & Cages



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

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

Sealable: **Yes**

Number of Ports: **1**

Port Matrix Configuration: **1 x 1**

## Features

### Product Type Features

Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Sealable	Yes
Form Factor	SFP+

### Configuration Features

Number of Ports	1
Port Matrix Configuration	1 x 1

### Electrical Characteristics

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

Termination Post & Tail Length	3 mm [.118 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Housing Features

Cage Material	Nickel Silver Alloy
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### Dimensions



PCB Thickness (Recommended)	3 mm[.118 in]
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### Usage Conditions

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

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

Included Lightpipe	No
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EMI Containment Feature Type	Internal/External EMI Springs
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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#### 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-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

## Customers Also Bought



TE Part #2349202-5  
SFP56 STACKED 2X1 RECEPTACLE  
ASSEMBLY



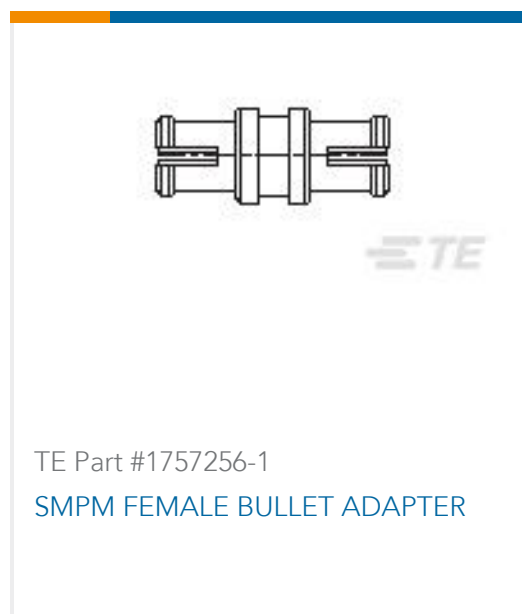
TE Part #6-2213362-2  
RCPT ASSY,DIMMABLE  
PHOTOCONTROL,150C,3 P



TE Part #1734100-3  
Champ050 series,30pos,Au over PdNi



TE Part #1734101-3  
Champ050 series,30pos,Au over PdNi



## Documents

### Product Drawings

SFP+ 1x1 Cage Assembly, Press-

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2170680-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2170680-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-2170680-1\\_A.3d\\_stp.zip](#)

English

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### Product Specifications

Application Specification

English