2-2170680-1 ✔ ACTIVE

TE Internal #: 2-2170680-1

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

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: **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

Termination Features

Termination Post & Tail Length	3 mm[.118 in]

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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)	3 mm[.118 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

Other

EMI Containment Feature Type	EMI Springs

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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 2022 (224) Candidate List Declared Against: JAN 2017 (173) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

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TE
connectivity

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

Documents

Product Drawings

SFP+ 1x1 Cage Assembly, Press-

English

CAD Files

3D PDF

3D

2-2170680-1

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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