

TE Internal #: 2198230-2

SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,
Internal/External EMI Springs, SFP+ Enhanced, Not Optional, 1 x 2,
Through Hole - Press-Fit

[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+ Enhanced**

Lightpipe Options: **Not Optional**

Features

Product Type Features

Form Factor	SFP+
Cage Type	Ganged
Thermal Accessory Type Included	Heat Sink
Pluggable I/O Product Type	Cage Assembly
Lightpipe Options	Not Optional
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	1 x 2
Number of Ports	2

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Body Features

Heat Sink Height Class	SAN
Heat Sink Height	6.5 mm[.256 in]
Heat Sink Style	Pin

Termination Features

Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit



Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Cage Material	Nickel Silver
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Dimensions

PCB Thickness (Recommended)	2.25 mm [.089 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	Yes
For Use With Pluggable I/O Products	SFP+ SMT Connector
Pluggable I/O Applications	SFP+ Enhanced
Circuit Application	Signal

Packaging Features

Packaging Method	Box & Tray, Tray
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Other

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
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: JUL 2021 (219) Does not contain REACH SVHC
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

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 # 2110759-1 PT CONN ASSY 20 POS 16G SFP	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 # CAT-SF59-AC229 SFP accessories	TE Part # CAT-C11-H5 SFP+ to SFP+ I/O Cable Assembly: 24 AWG
TE Part # CAT-C11-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG	TE Part # CAT-C11-H506 SFP+ to SFP+ I/O Cable Assembly: 26 AWG	TE Part # CAT-C11-H5062 SFP+ to SFP+ I/O Cable Assembly: 28 AWG	TE Part # 2334985-2 SFP28 DIRECT ATTACH CA, 1M, 32AWG



TE Part # 2185213-5
ASSY, STG TL KIT, SFP+ENHANCED

TE Part # 2142970-1
CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M

TE Part # 2142970-2
CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M

TE Part # 2142970-3
CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M

Customers Also Bought

TE Part #788862-2
PT30 XFP CONNECTOR

TE Part #6469081-1
HMZD 3PR, RECEPTACLE ASSEMBLY

TE Part #171825-8
POST HDR ASSY VERT AMP EI CONN

TE Part #171822-6
EIS REC. HSG 6P-NATURAL

TE Part #2065657-1
zd Plus, 4 pair, receptacle assy

TE Part #2007464-1
SFP+ 1x1 Cage Assy, PF,with Heatsink

TE Part #170262-1
EIS CONTACT

TE Part #1888968-2
Cage Assy SAN Hsink QSFP Behind Bezel

TE Part #2274073-1
HM ZD 3 PR HEADER, SEQ, LF

Documents

Product Drawings

SFP+ Enhanced 1x2, SAN Heatsink

English

CAD Files

Customer View Model

ENG_CVM_CVM_2198230-2_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2198230-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2198230-2_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_2198230-2_05302017239_dmtec](#)

English

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English