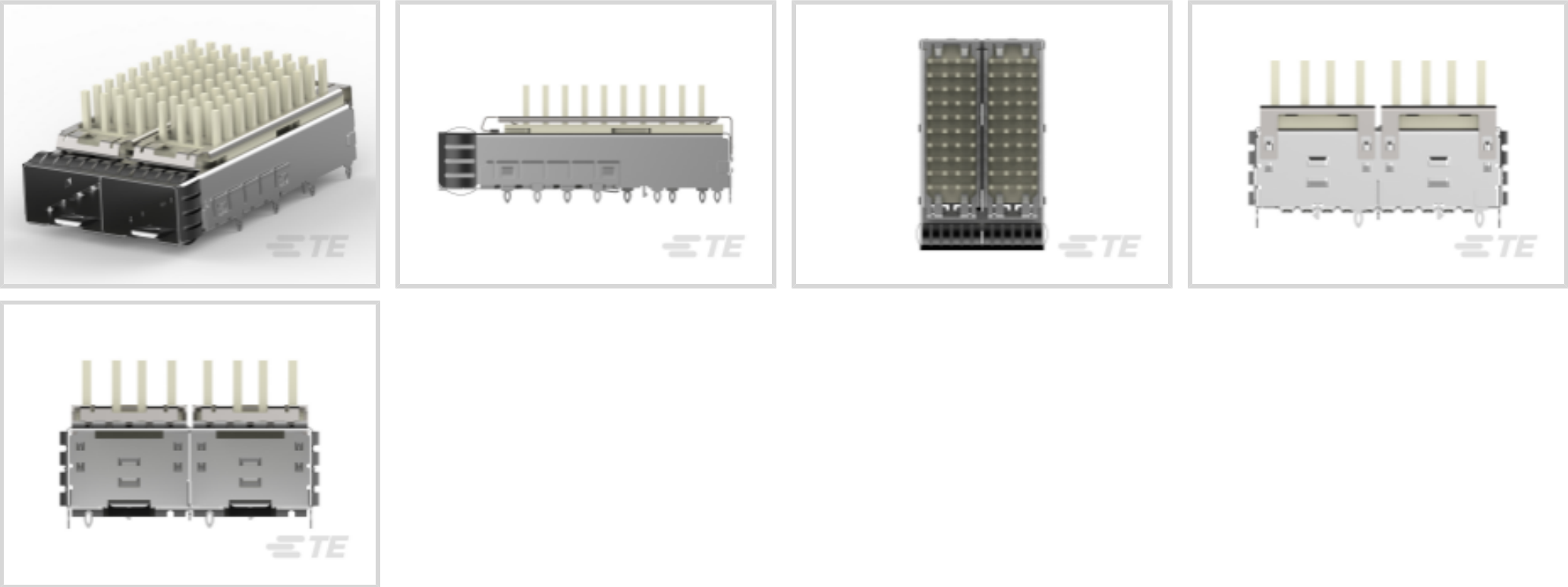




TE Internal #: 2198230-3
SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,
Internal/External EMI Springs, SFP+ Enhanced, Not Optional, 1 x 2,
Through Hole - Press-Fit
[View on TE.com >](#)

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

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Heat Sink Height Class	Networking Short
Heat Sink Height	9.1 mm[.358 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: JUNE 2023 (235)



Does not contain REACH SVHC

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 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-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG	 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 # 2007182-1 SFP Standard 1x2 Light Pipe Assm



TE Part # 2007182-3
SFP 1x2 Light Pipe Assy, Reduced Length



TE Part # CAT-C11-H5
SFP+ to SFP+ I/O Cable Assembly: 24 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 # 2007182-2
SFP 1x2 Light Pipe Assy, Reduced Length



TE Part # 2185213-6
ASSY, STG TL KIT, SFP+ENHANCED



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

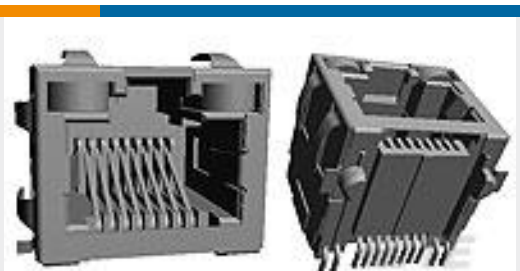
Customers Also Bought



TE Part #1658608-2
25 POS HDF PLUG, MS, LEAD FREE



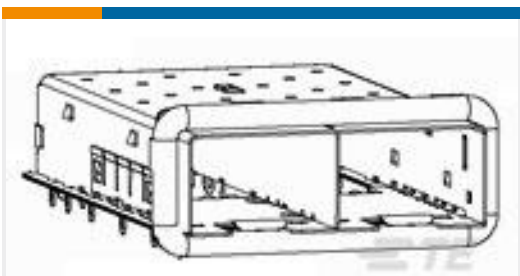
TE Part #1761014-3
SFP 1X2 CAGE ASSY, PRESS FIT



TE Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD



TE Part #2-1879208-5
CPF 0402 100R 0.1% 25PPM 1K RL



TE Part #2198720-1
zSFP+ 1x2 Cage Assembly, Press-Fit



TE Part #87227-2
04 MODII HDR DRST UNSHRD .100



TE Part #2170704-6
CAGE ASSY, QSFP28 1X1, SPRING, HS



TE Part #2195523001
VG-95218-T028-D011CK3100



TE Part #374001-E
STVR 96 MI ABC VVV 4-00 GA06 13,0 * 247

Documents



Product Drawings

SFP+ Enhanced 1x2, Networking Heatsink

English

CAD Files

Customer View Model

ENG_CVM_CVM_2198230-3_A.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2198230-3_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2198230-3_A.3d_stp.zip

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English