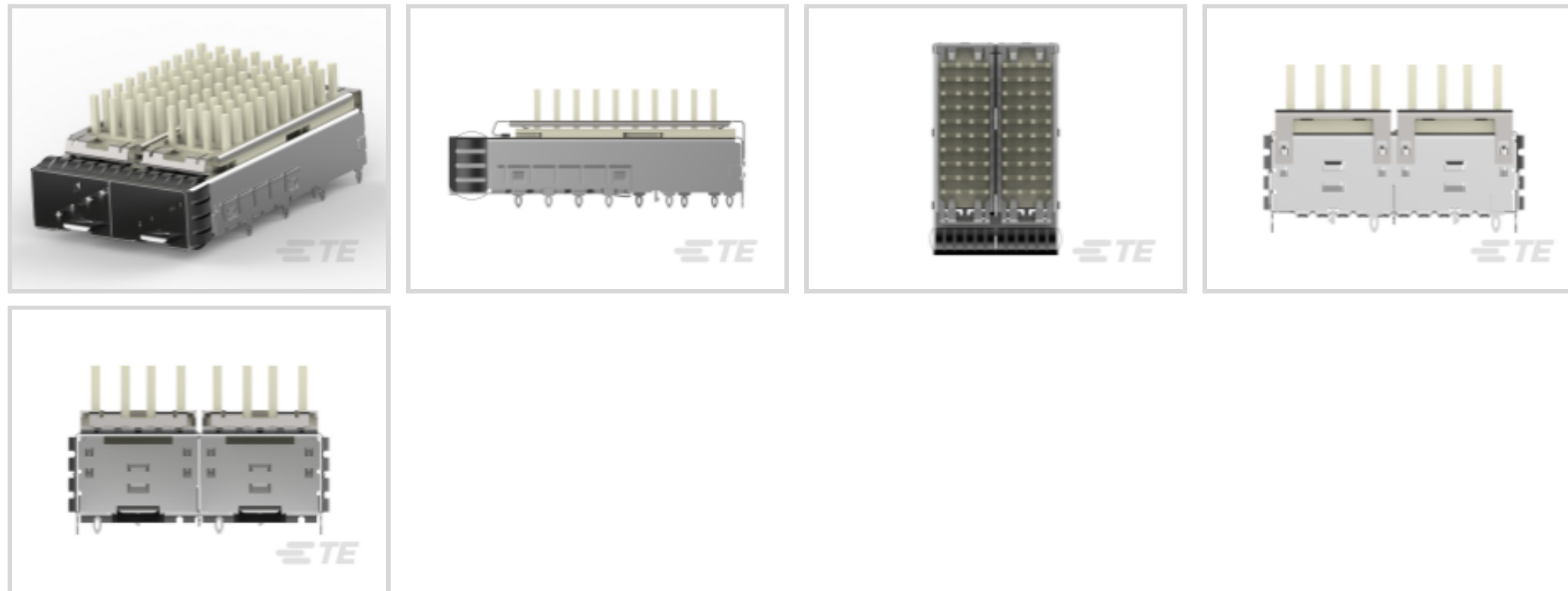




TE Internal #: 2198230-3
 SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,
 Internal/External EMI Springs, SFP+ Enhanced, Not Optional, 1 x 2,
 Through Hole - Press-Fit

[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 |
|-----------------|---------|

Body Features

| | |
|--|--|
| | |
|--|--|



| | |
|------------------------|------------------|
| 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 |
|-------------------------|-------------|

Housing Features

| | |
|---------------|---------------|
| Cage Material | Nickel Silver |
|---------------|---------------|

Dimensions

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 2.25 mm[.089 in] |
|-----------------------------|------------------|

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
|-----------------------------|----------------------------|

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 |
|------------------|------------------|

Other

| | |
|------------------------------|-------------------------------|
| EMI Containment Feature Type | Internal/External EMI Springs |
|------------------------------|-------------------------------|

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

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-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



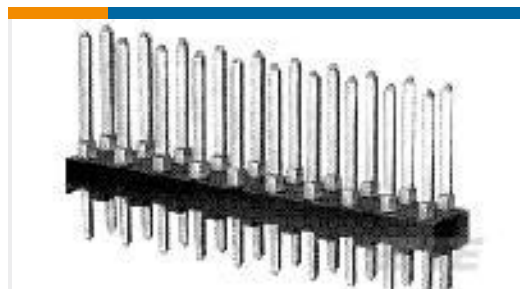
TE Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD



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