



SFP28

TE Internal #: 2110759-1

SFP+, Connector, .031in [.8mm] Centerline, Signal, Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate (Max) 16 Gb/s, 20 Position

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Connectors > Pluggable IO Connectors & Cages > SFP Connectors



Pluggable I/O Product Type: **Connector**

Number of Positions: **20**

Centerline (Pitch): **.8 mm [.031 in]**

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

Sealable: **No**

[All SFP Connectors \(10\)](#)

Features

Product Type Features

| | |
|----------------------------|-----------|
| Pluggable I/O Product Type | Connector |
| Sealable | No |
| Form Factor | SFP+ |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 20 |
|---------------------|----|

Electrical Characteristics

| | |
|-----------------|---------|
| Data Rate (Max) | 16 Gb/s |
|-----------------|---------|

Contact Features

| | |
|--------------------------------------|--------|
| | 15 µin |
| Contact Mating Area Plating Material | Gold |
| Contact Current Rating (Max) | .5 A |

Termination Features



| | |
|---------------------------------------------|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---------------------------------------------|---------------|

Housing Features

| | |
|--------------------|----------------|
| Centerline (Pitch) | .8 mm[.031 in] |
|--------------------|----------------|

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -55 – 85 °C[-67 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|----------------------------|--------|
| Pluggable I/O Applications | SFP |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|------------------|------|
| Packaging Method | Reel |
|------------------|------|

Other

| | |
|--------------------|----|
| Included Lightpipe | No |
|--------------------|----|

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 | Reflow solder capable to 260°C |












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

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-C11-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG</p> |  <p>TE Part # 2198230-2 SFP+ Enhanced 1x2, SAN Heatsink</p> |  <p>TE Part # 2198230-1 SFP+ Enhanced 1x2, PCI Heatsink</p> |  <p>TE Part # 2198235-3 SFP+ Enhanced 1x6, Networking Heatsink</p> |
|  <p>TE Part # 2198230-3 SFP+ Enhanced 1x2, Networking Heatsink</p> |  <p>TE Part # 2198234-3 SFP+ Enhanced 1x4, Net Heatsink, LP</p> |  <p>TE Part # 2198233-4 SFP+ Enhanced 1x4, Net Heatsink, LP</p> |  <p>TE Part # CAT-SF59-AC229 SFP accessories</p> |
|  <p>TE Part # 2149730-3 SFP+ Enhanced 1x4 Cage, SAN Heatsink</p> |  <p>TE Part # 2057086-2 SFP+ Enhanced 1x1 Cage Assembly</p> |  <p>TE Part # 2149730-4 SFP+ Enhanced 1x4 Cage, Network Heatsink</p> |  <p>TE Part # 2057085-4 SFP+ 1x1 Enhanced, Gasket, Pre Heatsink</p> |
|  <p>TE Part # 2057086-1 SFP+ Enhanced 1x1 Cage Assembly</p> |  <p>TE Part # 2057353-1 SFP+ Enhanced 1x4 Cage Assy</p> |  <p>TE Part # 2057833-1 SFP+ Enhanced 1x4 Cage Assy</p> |  <p>TE Part # 2180739-1 SFP+ Enhanced 1x2, Heatsink Op</p> |





TE Part # 2198224-1
SFP+ Enhanced 1x2, PCI Heatsink



TE Part # 2198224-4
SFP+ Enhanced 1x2, Networking Heatsink

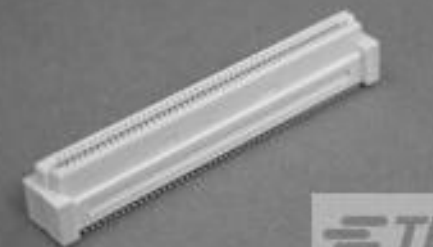


TE Part # 2198225-4
SFP+ Enhanced 1x2, Net Heatsink, LP

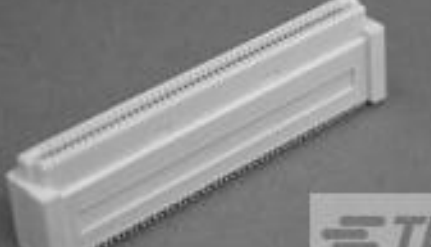


TE Part # 2198231-4
SFP+ Enhanced 1x2, Net Heatsink, LP

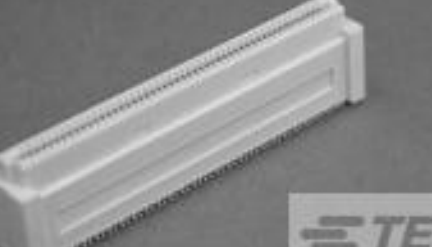
Customers Also Bought



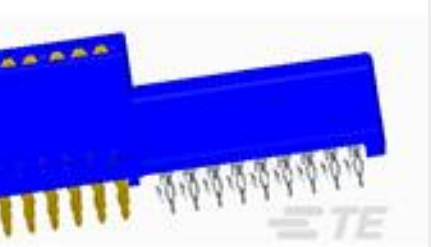
TE Part #7-5179180-3
0.8FH,R09H.5,080,30/Sn,TR,SC




TE Part #5084618-1
0.8FH,R13H.5,040,30/Sn,TR,SC



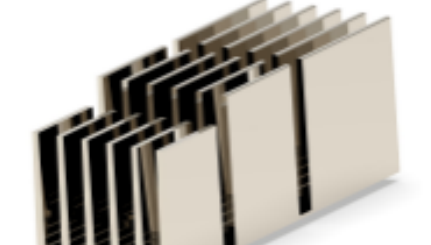
TE Part #5084618-2
0.8FH,R13H.5,060,30/Sn,TR,SC



TE Part #2204061-2
CONNECTOR ASSEMBLY, SEC II POW



TE Part #4-644759-2
12P MTA156 HDR ASSY STR LF



TE Part #2306345-2
HEAT SINK, QSFP28 1X1, CUSTOMIZED

TE Part #2024579-1
C/A, CISCO 72-5435-01, POWER, MBXLE

TE Part #2057548-3
SFP+ Stout 1X4 Cage Assembly, Press-Fit

TE Part #2350977-1
QSFP28, 1X3 CAGE ASSEMBLY, SPRING

Documents

- Product Drawings

PT CONN ASSY 20 POS 16G SFP

English
- CAD Files

Customer View Model

ENG_CVM_CVM_2110759-1_A.2d_dxf.zip

English
- 3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2110759-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2110759-1_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[1-1773717-7_PLUGGABLE_IO_ORG_CN](#)

English

[1-1773717-8_PLUGGABLEIO_ORG_TCN](#)

English

[1-1773717-9_HIGH_SPEED_IO_ORG_JA](#)

English

[4-1773455-3 - Quick Reference Guide SFP+ Solutions](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English