



SFP28

TE Internal #: 2169851-1

SFP, SFP+ & zSFP+, Accessory, Data Rate (Max) 16 Gb/s, Not Optional

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+ > SFP accessories



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

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

Lightpipe Options: **Not Optional**

[All SFP accessories \(17\)](#)

## Features

### Product Type Features

Form Factor	SFP+
Pluggable I/O Accessory Type	Heat Sink Clip
Cage Type	Ganged
Pluggable I/O Product Type	Accessory
Lightpipe Options	Not Optional

### Electrical Characteristics

Data Rate (Max)	16 Gb/s
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### Body Features

Heat Sink Height	1.8 mm[.071 in]
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### Operation/Application

Heat Sink Compatible	Yes
For Use With Pluggable I/O Products	SFP+ Heat Sink

### Packaging Features

Packaging Method	Box & Tray, Tray
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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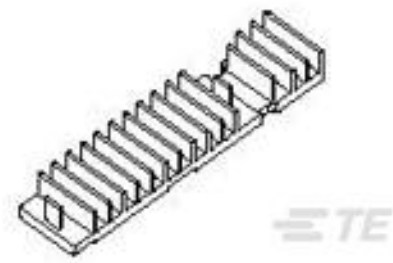









EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	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

 <p>TE Part # 2170488-6 HEAT SINK</p>	 <p>TE Part # 1542924-2 HEATSINK SFP ROUND PIN FIN.</p>	 <p>TE Part # 1963856-2 CFP HS Kit StS Airflow, 22 fin, 10.3mm</p>	 <p>TE Part # CAT-C11-H5 SFP+ to SFP+ I/O Cable Assembly: 24 AWG</p>
 <p>TE Part # CAT-C11-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG</p>	 <p>TE Part # CAT-C11-H506 SFP+ to SFP+ I/O Cable Assembly: 26 AWG</p>	 <p>TE Part # CAT-C11-H5062 SFP+ to SFP+ I/O Cable Assembly: 28 AWG</p>	 <p>TE Part # CAT-SF59-AC229 SFP accessories</p>



TE Part # 1829904-3  
HEAT SINK SFP DWDM 6.5mm TALL



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



TE Part # 2142970-4  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M



TE Part # 2142970-5  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M




TE Part # 2142970-6  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 5M




TE Part # 2142970-7  
CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M



TE Part # 1963856-1  
CFP HS Kit StS Airflow, 38 fin, 10.3mm



TE Part # 1963838-2  
GANGED QSFP PCI EXTRUSION HS 4.2mm TALL



TE Part # 1963839-2  
GANGED QSFP SAN EXTRUSION HS 6



TE Part # 2170202-2  
XFP HEATSINK

## Customers Also Bought



TE Part #2170703-7  
CAGE ASSEMBLY, QSFP28 1X1, SPRING



TE Part #2042274-1  
ELCON MINI 2P VERT HEADER, W/ CODING

TE Part #1-2338988-1  
CAGE ASSY, 1X6, QSFP28, SPRING, HS, LP

TE Part #1888251-5  
Low Profile, RJ45, 1x4, Bi-Color

TE Part #2270298-4  
PV4-S M TO MC4 F JUMPER CABLE 150MM

TE Part #2270299-4  
PV4-S F TO MC4 M JUMPER CABLE 150MM

TE Part #2304774-2  
EMI/DUST COVER, XFP AND QSFP

## Documents



## Product Drawings

### Heat Sink Clip, Ganged SFP+

English

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## CAD Files

### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2169851-1\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2169851-1\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2169851-1\\_A.3d\\_stp.zip](#)

English

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## Product Specifications

### Application Specification

English

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## Product Environmental Compliance

[MD\\_2169851-1\\_08112016128\\_dmtec](#)

English

[MD\\_2169851-1\\_08112016128\\_dmtec](#)

English