

1489951-1 ✓ ACTIVE

SFP28 | XFP

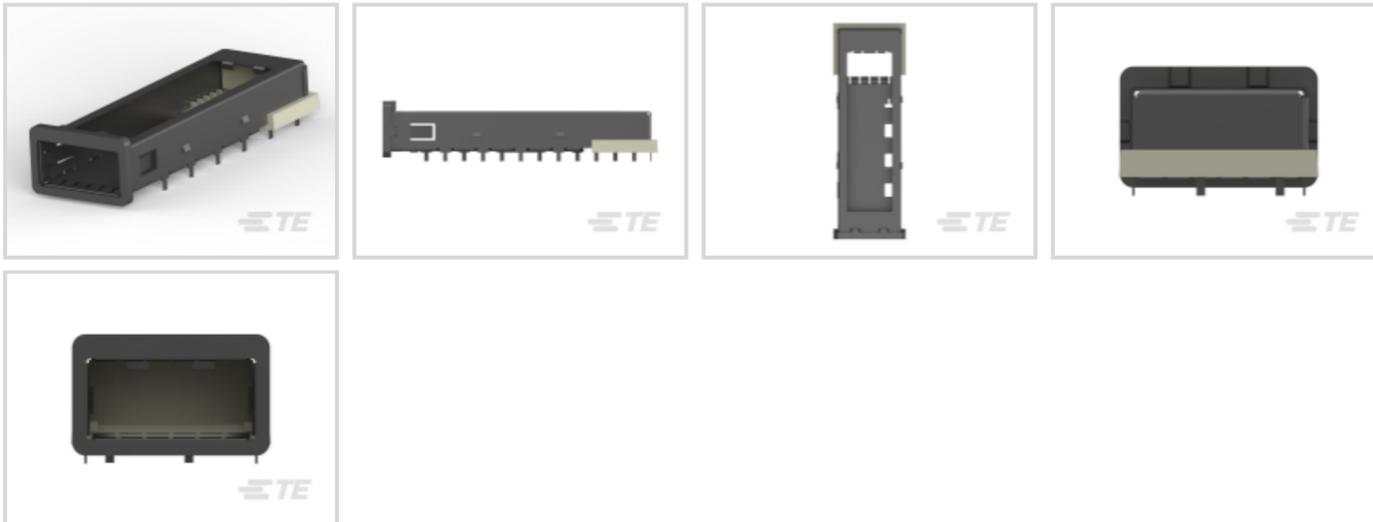
TE Internal #: 1489951-1

XFP, Cage Assembly, Double-Sided (Belly-to-Belly) Mount, 1 Port, 1 x 1, Data Rate (Max) 10 Gb/s, Cable-to-Board, Printed Circuit Board, Signal, XFP

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Connectors > Pluggable IO Connectors & Cages > XFP > XFP Cage Assemblies and Kits



Pluggable I/O Product Type: **Cage Assembly**  
PCB Mounting Style: **Double-Sided (Belly-to-Belly)**  
Number of Ports: **1**  
Port Matrix Configuration: **1 x 1**  
Data Rate (Max): **10 Gb/s**

[All XFP Cage Assemblies and Kits \(22\)](#)

## Features

### Product Type Features

Form Factor	XFP
Pluggable I/O Accessory Type	Heat Sink
Connector & Housing Type	Receptacle
Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Ports	1
Port Matrix Configuration	1 x 1

### Electrical Characteristics



Data Rate (Max)	10 Gb/s
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### Body Features

Primary Product Material	Aluminum
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Cage Plating Material	Tin
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### Contact Features

Contact Mating Area Plating Material	Gold
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Contact Current Rating (Max)	.5 A
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### Termination Features

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

PCB Mounting Style	Double-Sided (Belly-to-Belly)
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Connector Mounting Type	Board Mount
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### Housing Features

Cage Material	Copper Alloy
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Housing Material	LCP (Liquid Crystal Polymer)
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Housing Color	Black
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Centerline (Pitch)	.8 mm
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### Dimensions

Connector Profile Height	13.29 mm[.523 in]
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Product Width	21.7 mm[.854 in]
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Product Length	65.53 mm[2.58 in]
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### Operation/Application

Heat Sink Compatible	Yes
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For Use With Pluggable I/O Products	XFP Cage
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Tray
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### Other



Included Lightpipe	No
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### Product Compliance

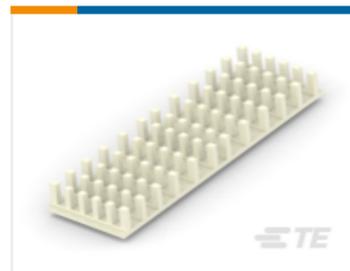
[For compliance documentation, visit the product page on TE.com>](#)

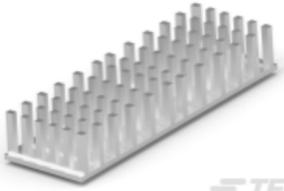
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does 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

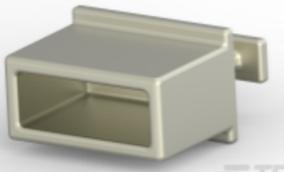
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CAT-X29-C76264 XFP Connectors</p>	 <p>TE Part # 1367500-1 30 POSN XFP CONN, ENHANCED</p>	 <p>TE Part # 1542618-2 XFP MSA SAN APPLICATION</p>	 <p>TE Part # 1489948-2 XFP HEAT SINK CLIP, PLATED</p>
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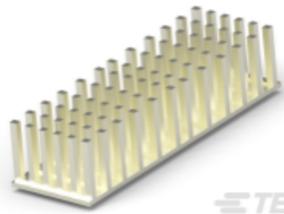
TE Part # 1963850-2  
XFP. MSA HEATSINK 10mm TALL



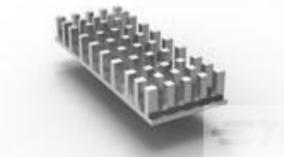
TE Part # 1888810-2  
EMI/Dust Cover,XFP And QSFP



TE Part # 1542993-2  
SFP HEATSINK 13.5MM TALL



TE Part # 1542706-3  
XFP. MSA NETWORK APPLICATION H



TE Part # 1829904-2  
HEAT SINK SFP DWDM 6.5mm TALL



TE Part # 1829905-2  
HEAT SINK SFP DWDM 13.5mm TALL



TE Part # 1963854-2  
HEAT SINK SFP DWDM 10.0mm TALL



TE Part # 2303922-2  
HEAT SINK SFP DWDM 4.2mm TALL

Also in the Series | XFP



Heat Sinks(4)



XFP(31)

Documents

Product Drawings

XFP CAGE ASSEMBLY

English

CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_1489951-1\\_D.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1489951-1\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1489951-1\\_D.3d\\_stp.zip](#)

English



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## Datasheets & Catalog Pages

[1773408-1 Pluggable Input/Output Solutions catalog - XFP section](#)

English

[1-1773717-7\\_PLUGGABLE\\_IO\\_QRG\\_CN](#)

English

[1-1773717-8\\_PLUGGABLEIO\\_QRG\\_TCN](#)

English

[1-1773717-9\\_HIGH\\_SPEED\\_IO\\_QRG\\_JA](#)

English

[4-1773455-2 - Quick Reference Guide Pluggable I/O Solutions](#)

English

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## Product Specifications

[Application Specification](#)

English

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## Product Environmental Compliance

[MD\\_1489951-1\\_03262017357\\_dmtec](#)

English

[MD\\_1489951-1\\_03262017357\\_dmtec](#)

English

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## Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English