

1658871-1 ✓ ACTIVE

SFP28 | XFP

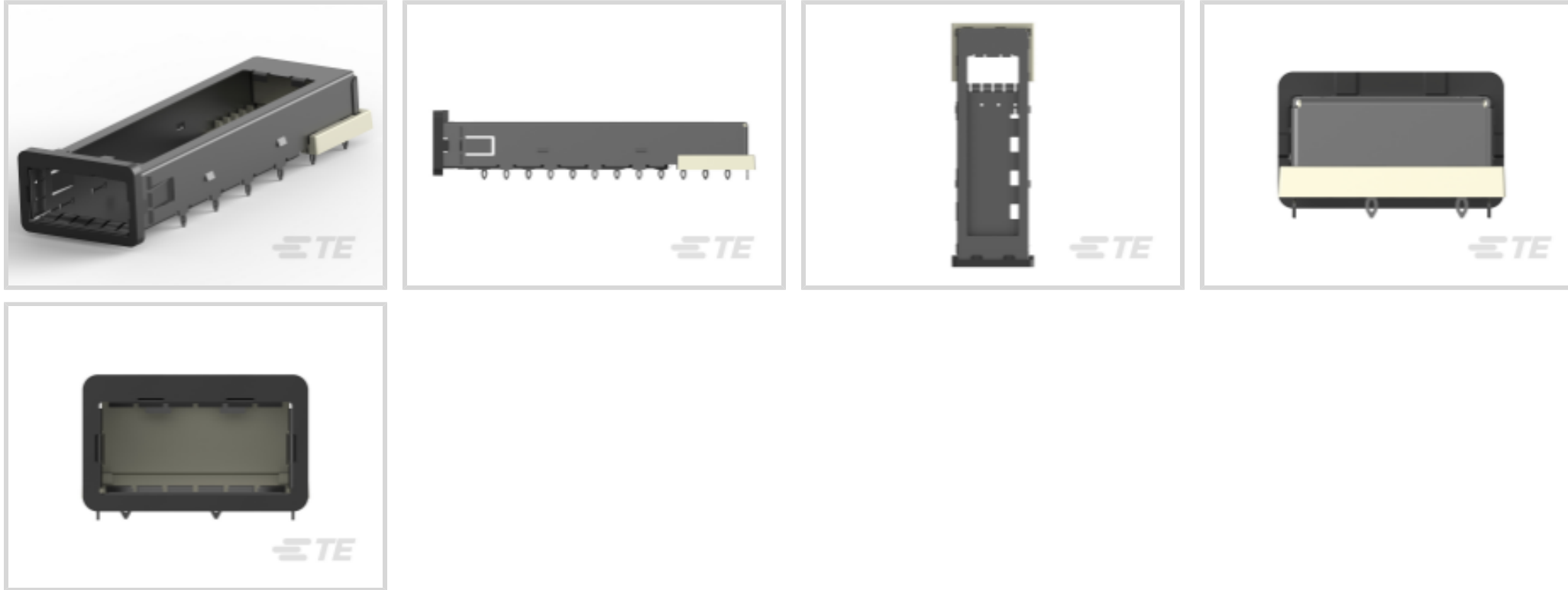
TE Internal #: 1658871-1

XFP, Cage Assembly, Sealable, Signal, Operating Temperature Range -10 – 70 °C [14 – 158 °F], Data Rate (Max) 10 Gb/s, 1 Ports

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



Pluggable I/O Product Type: **Cage Assembly**

Sealable: **Yes**

Circuit Application: **Signal**

Operating Temperature Range: **-10 – 70 °C [14 – 158 °F]**

Data Rate (Max): **10 Gb/s**

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

Features

Product Type Features

Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Sealable	Yes
Form Factor	XFP

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

Cage Plating Material	Tin
Primary Product Material	Aluminum

Contact Features



Contact Mating Area Plating Material	Gold
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Termination Features

Termination Post & Tail Length	2.05 mm[.081 in]
Termination Method to PCB	Through Hole - Press-Fit

Housing Features

Cage Material	Copper Alloy
Housing Material	LCP (Liquid Crystal Polymer)

Dimensions

Product Width	21.7 mm
Product Length	65.53 mm

Usage Conditions

Operating Temperature Range	-10 – 70 °C[14 – 158 °F]
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Operation/Application

Heat Sink Compatible	Yes
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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Other

Included Lightpipe	No
EMI Containment Feature Type	Elastomeric Gasket

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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>

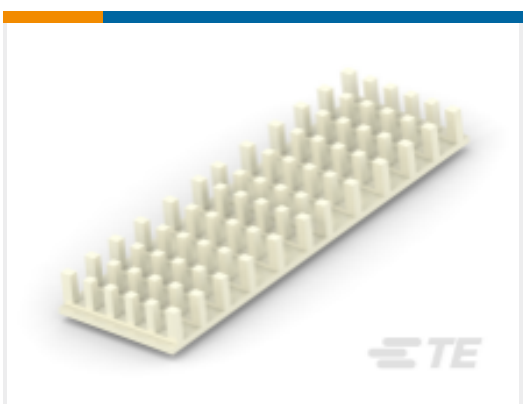
Compatible Parts



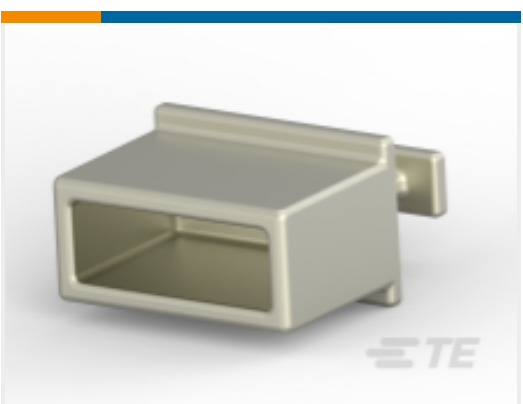
TE Part # CAT-X29-C7624
XFP Connectors



TE Part # 1367500-1
30 POSN XFP CONN, ENHANCED



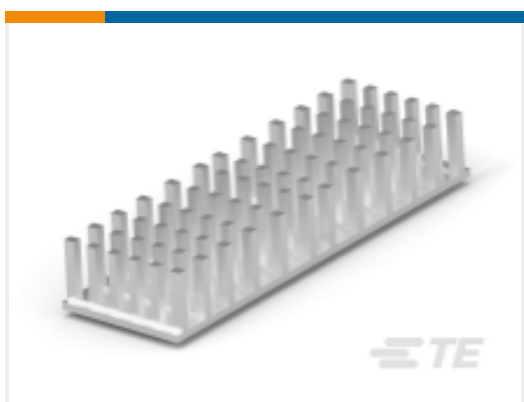
TE Part # 1542618-2
XFP MSA SAN APPLICATION



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



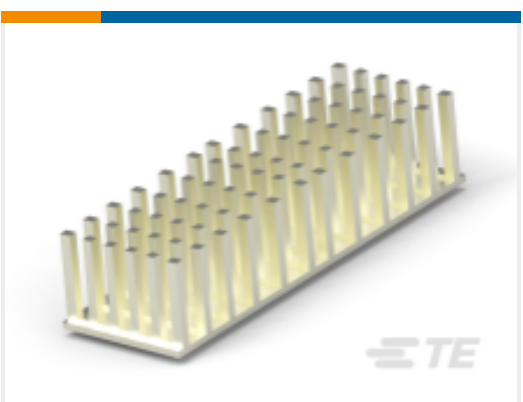
TE Part # 1489948-2
XFP HEAT SINK CLIP, PLATED



TE Part # 1963850-2
XFP. MSA HEATSINK 10mm TALL



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

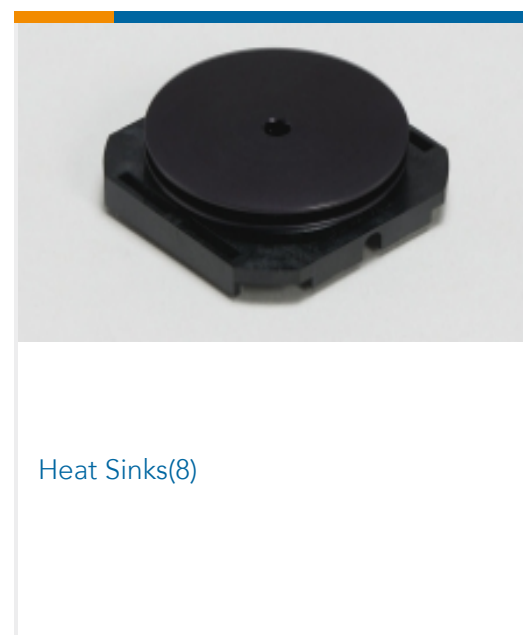
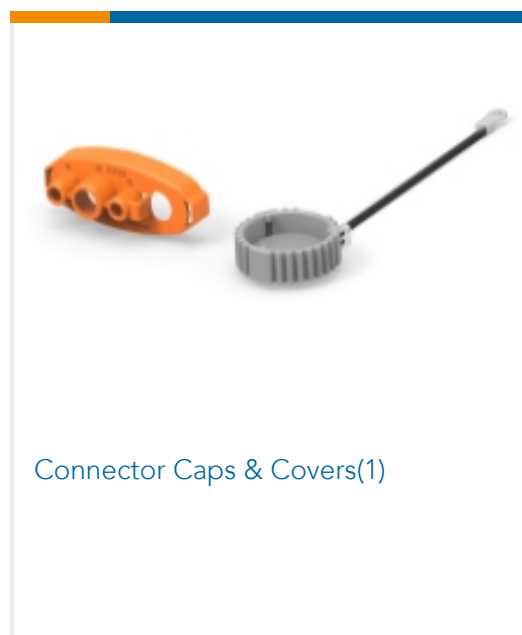


TE Part # 1963854-2
HEAT SINK SFP DWDM 10.0mm TALL

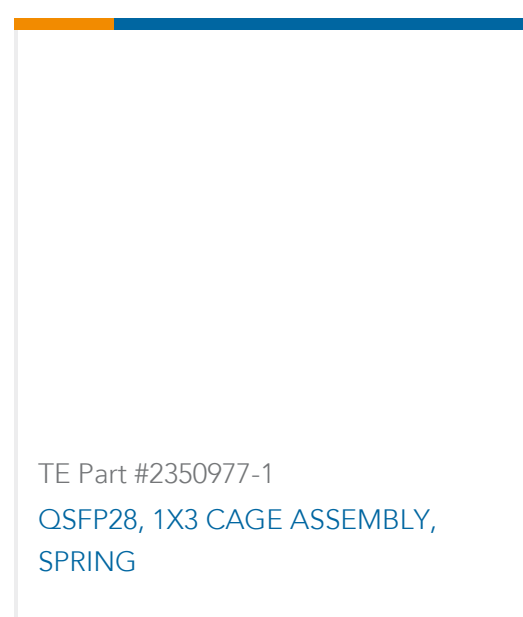
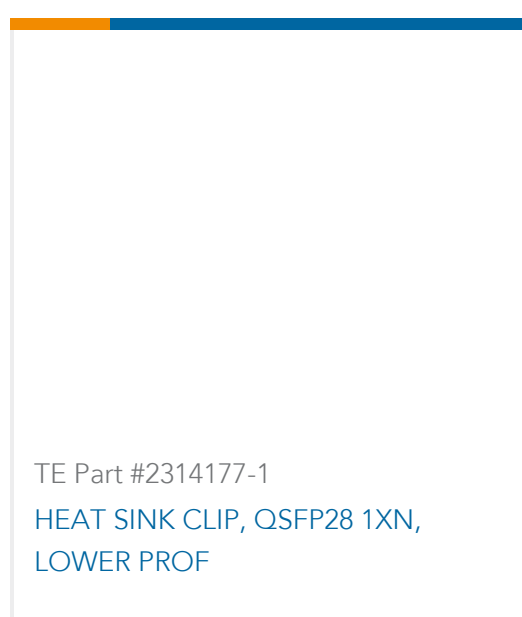
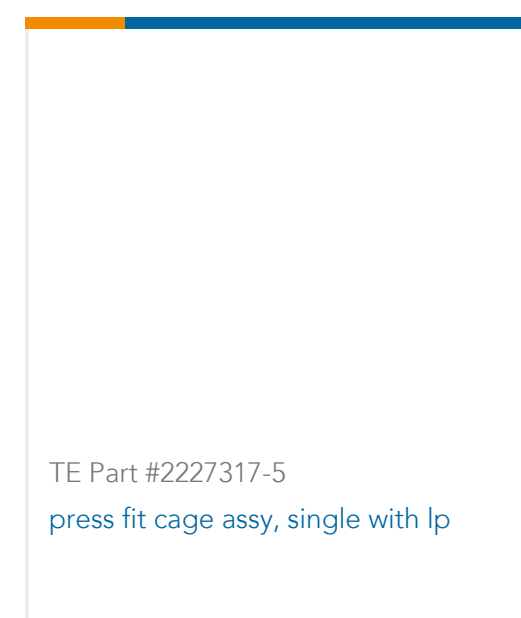
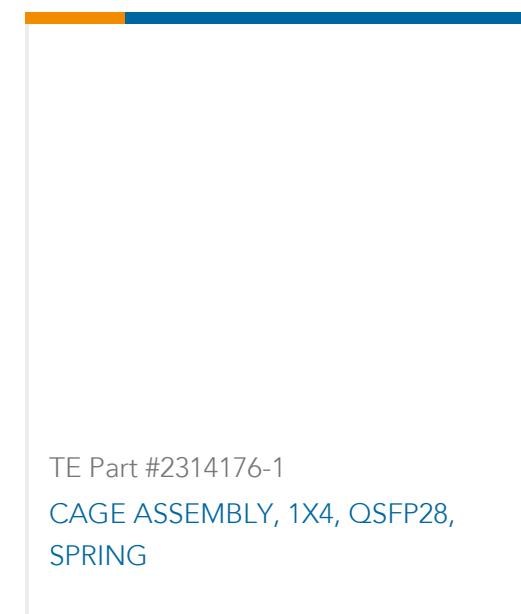
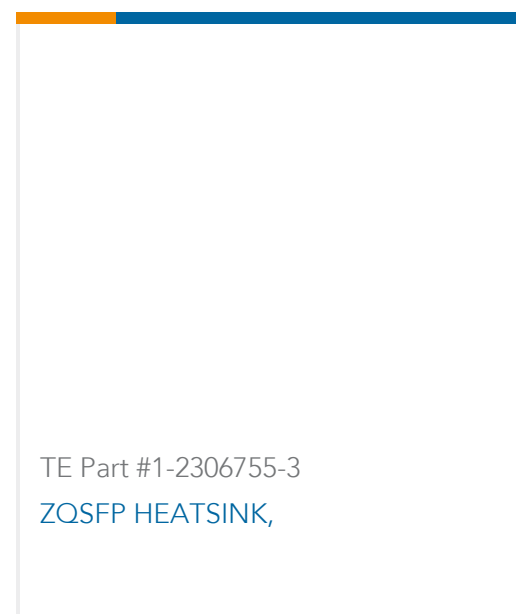
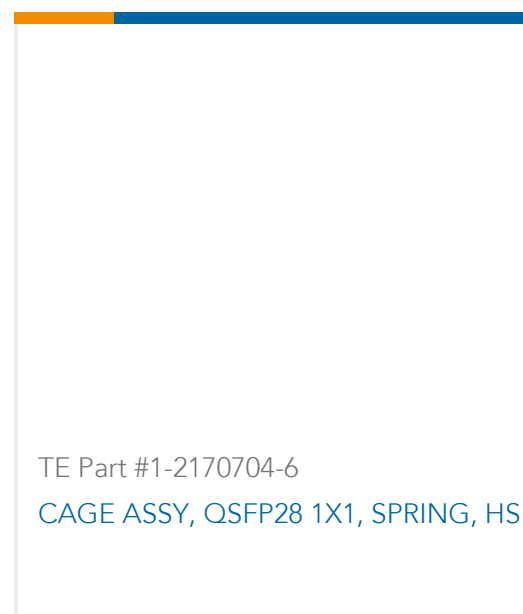


TE Part # 2303922-2
HEAT SINK SFP DWDM 4.2mm TALL

Also in the Series | XFP



Customers Also Bought



Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1658871-1_B.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1658871-1_B.3d_igs.zip](#)

1658871-1

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English

Customer View Model

[ENG_CVM_CVM_1658871-1_B.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

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

English

Product Specifications

[Application Specification](#)

English