



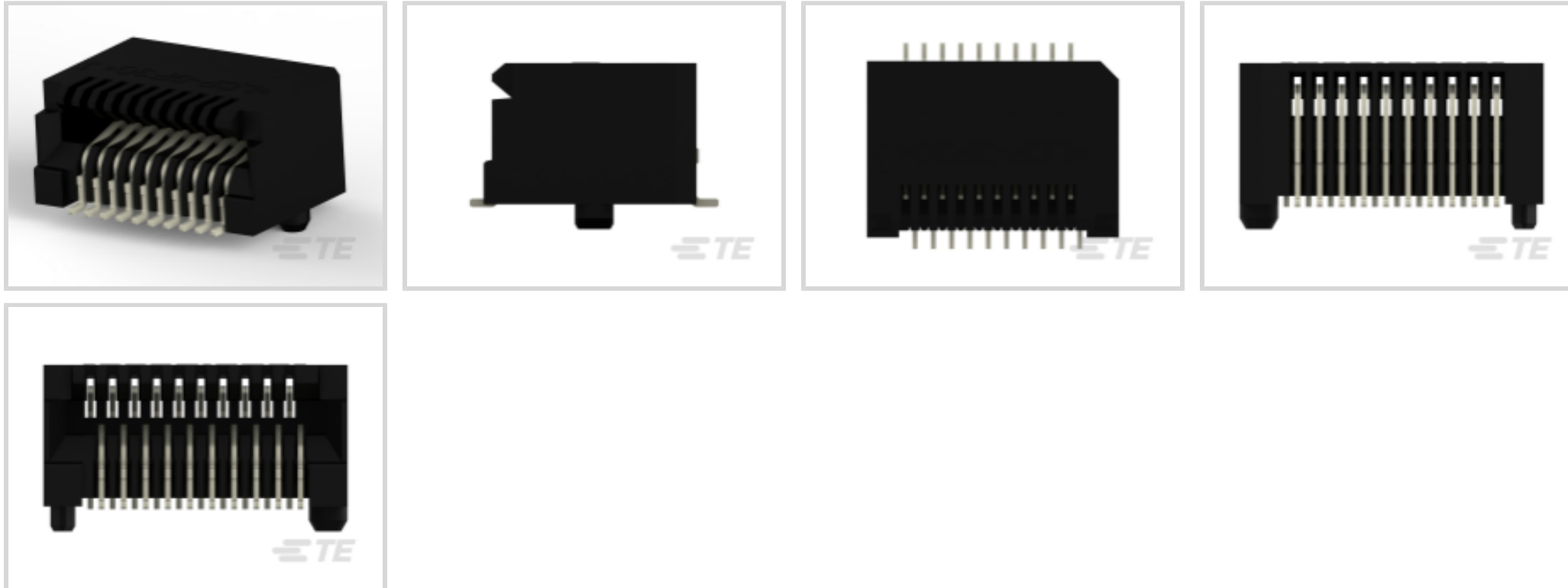
SFP28

TE Internal #: 1888247-2

SFP, SFP+ & zSFP+, Connector, Data Rate (Max) 16 Gb/s, SFP, Not Optional, Surface Mount, Cable-to-Board, 20 Position, .031 in [.8 mm] Centerline

[View on TE.com >](#)

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



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

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

Pluggable I/O Applications: **SFP**

Lightpipe Options: **Not Optional**

Termination Method to Printed Circuit Board: **Surface Mount**

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

Features

Product Type Features

Form Factor	SFP+
Pluggable I/O Product Type	Connector
Lightpipe Options	Not Optional
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	20
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Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Contact Features

Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
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Contact Mating Area Plating Material	Gold
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Contact Current Rating (Max)	.5 A
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Termination Features

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	.8 mm [.031 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

For Use With Pluggable I/O Products	SFP+ Cage
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Pluggable I/O Applications	SFP
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Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Reel
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Other

Pluggable I/O Connectors Comment	Lubricant on contact.
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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
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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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



TE Part # CAT-C11-H50626
SFP+ to SFP+ I/O Cable Assembly: 30 AWG



TE Part # 2007250-1
SFP+ 1x6 Cage Assembly with Light Pipes



TE Part # 2007135-1
SFP+ 1x4 Cage Assembly w/ EMI gasket



TE Part # 2007254-1
SFP+ 1x1 Cage Assembly, Light Pipe gasket



TE Part # 2007194-1
SFP+ 1x1 Cage Assembly, PCI, Solder Tail



TE Part # 2007251-1
SFP+ 1x6 Cage Assembly



TE Part # 2007178-1
SFP+ 1x4 Cage Assembly, Light



TE Part # 2007262-1
SFP+ 1x2 Cage Assembly, Light



TE Part # 2007263-1
SFP+ 1x2 Cage Assembly



TE Part # 2007464-3
SFP+ 1x1 Cage Assy, PF, with Heatsink



TE Part # 2007198-1
SFP+ 1x1 Cage Assembly, Press-



TE Part # 2007464-2
SFP+ 1x1 Cage Assy, PF, with Heatsink



Documents

Product Drawings

20 POS SMT CONN, SFP/SFP+, 15A

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1888247-2_E4.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1888247-2_E4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1888247-2_E4.3d_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 - SFP section](#)

English

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

English

[SFP+ Product Family: Cages, Connectors, Cable Assemblies 4-1773449-5](#)

English

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

English



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

English

[Product Specifications](#)

[Application Specification](#)

English

[Product Environmental Compliance](#)

[MD_1888247-2_08272018220_dmtec](#)

English

[MD_1888247-2_08272018220_dmtec](#)

English