



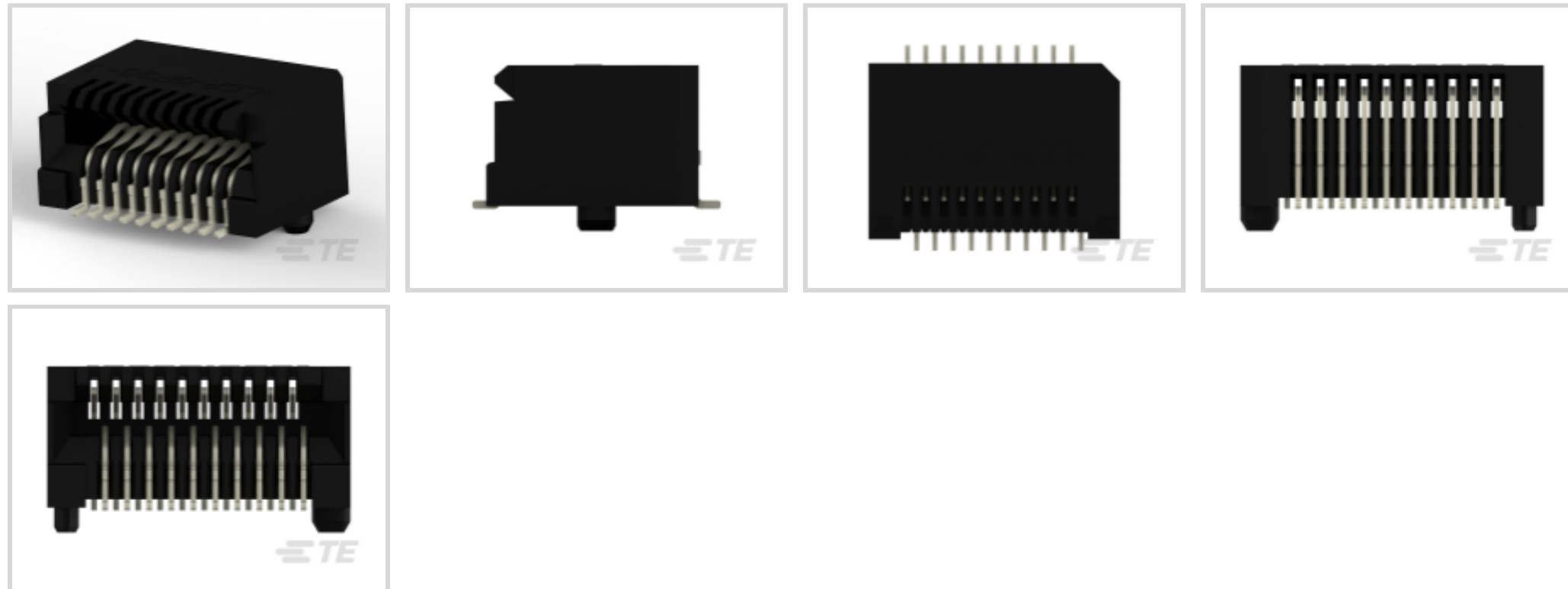
SFP28

TE Internal #: 1888247-1

SFP, SFP+ & zSFP+, Connector, Data Rate (Max) 16 Gb/s, SFP, Surface Mount 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**

PCB Mounting Style: **Surface Mount**

Connector System: **Cable-to-Board**

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

Features

Product Type Features

Form Factor	SFP+
Pluggable I/O Product Type	Connector
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 Thickness	.76 µm[29.92 µin]
Contact Mating Area Plating Material	Gold



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

PCB Mounting Style	Surface Mount
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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

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: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC
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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



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 # 2007180-1
SFP+ 1X2 CAGE ASSM/LIGHTPIPE, EMI GASKET



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



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 # 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




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



TE Part # 2007132-1
SFP+ 1x4 Cage Assembly, Press-Fit



TE Part # 2007215-1
SFP+ 1x1 Cage Assy, PCI, Press-Fit



TE Part # 2007193-1
SFP+ 1x1 Cage Assembly, PCI, Solder



TE Part # 2007093-1
SFP+ EMI Shielded 1x4 Cage Assm / Light pipe



TE Part # 2007170-1
SFP+ PressFit EMI Shielded 1x6 Cage Assm



TE Part # CAT-C11-H5
SFP+ to SFP+ I/O Cable Assembly: 24 AWG



TE Part # CAT-C11-H506
SFP+ to SFP+ I/O Cable Assembly: 26 AWG

Customers Also Bought



TE Part #3-2180324-2
zSFP+ STACKED 2X4 RECEPTACLE ASSEMBLY



TE Part #2204535-1
ELCON MINI 2X3P STACKED RA HEADER, SOLDER




TE Part #1-6600383-9
MBXL VERT HDR 1P+24S+1P STR



TE Part #1776130-8
8P TERMINAL BLOCK HDR, HIGH TEMP



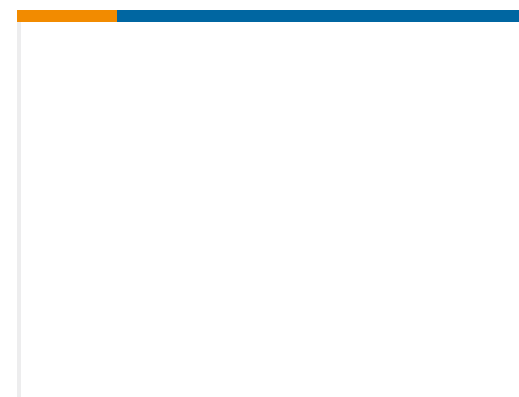
TE Part #2041492-1
MINI USB, TYPE B, R/A, SMT, MYLAR



TE Part #1-6600323-1
MBXL VERT HDR 12S+4P



TE Part #2303045-1



TE Part #2329851-6



TE Part #2329851-7

Documents



Product Drawings

20 POS SMT CONN, SFP/SFP+, 30A

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1888247-1_E4.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1888247-1_E4.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1888247-1_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_1888247-1_09172018216_dmtec

English

MD_1888247-1_09172018216_dmtec

English