

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

SFP28

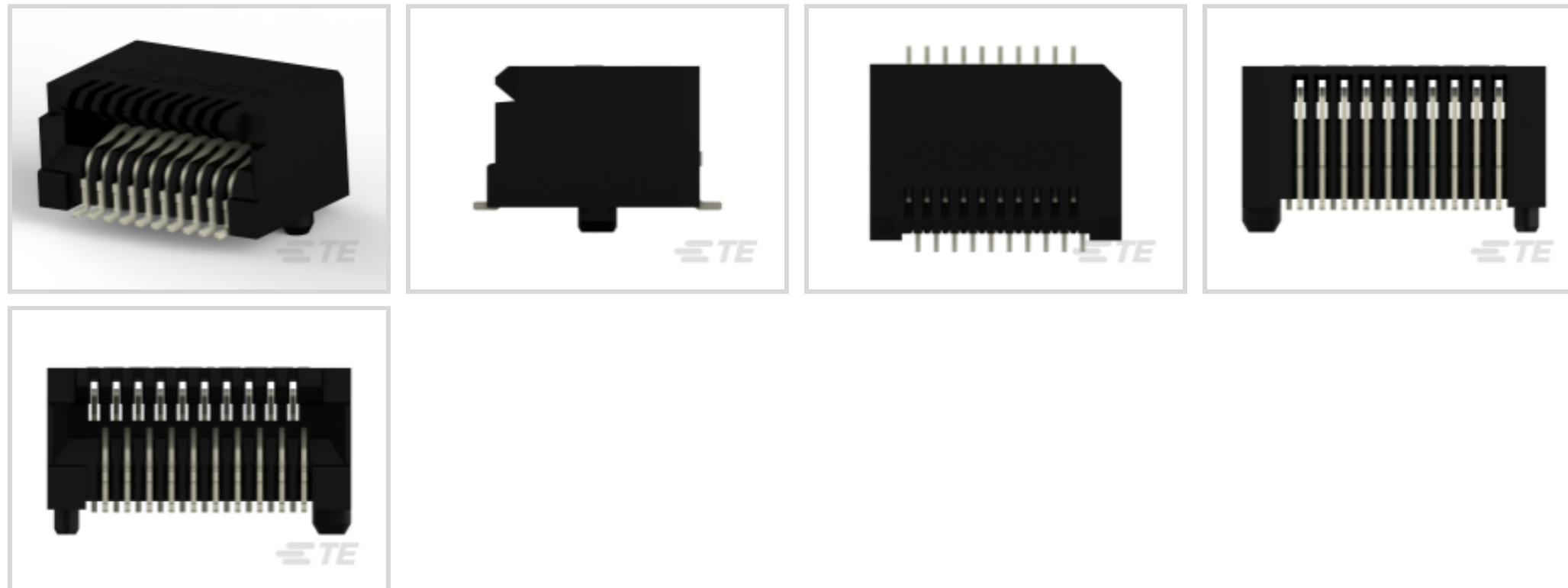
TE Part # 1888247-1

TE Internal #: 1888247-1

[View on TE.com >](#)



Connectors > Pluggable IO Connectors & Cages > SFP/SFP+/zSFP+/zSQ



Form Factor: SFP+

Product Type: Connector

Data Rate (Max): 16 Gb/s

Pluggable I/O Applications: SFP

Included Heat Sink: No

Features

Product Type Features

Form Factor	SFP+
Product Type	Connector
Included Heat Sink	No
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

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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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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
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Product Compliance Disclaimer

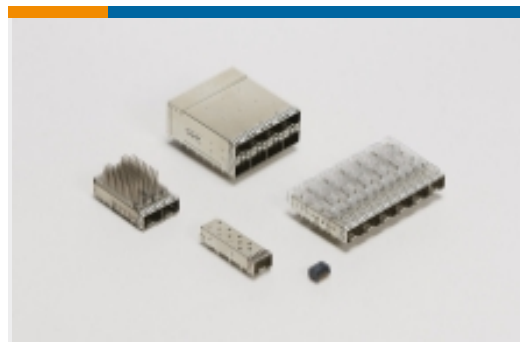


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



Pluggable I/O Cable Assemblies(41)



SFP/SFP+/zSFP+/zSQ(22)

Customers Also Bought



TE Part #2-5767004-2
MICTOR RECEPT ASSY, 38 POS.



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



TE Part #1-1469373-1
ATCA GUIDE MODULE RA FEMALE



TE Part #5352068-1
Z-PACK/A RAF 110P



TE Part #6469001-1
HM-ZD 4PR RECP 80P



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



TE Part #1761987-9
ReceptacleConnAssm38PosTapXFP CAGE ASSEMBLY /Re



TE Part #1489951-1
XFP CAGE ASSEMBLY



TE Part #1367073-1
20 POS SMT CONN, SFP,
15AU



TE Part #1551920-2
zQSFP+ connector
assembly

Documents

Product Drawings

[20 POS SMT CONN, SFP/SFP+, 30A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1888247-1_E.3d_stp.zip](#)

English

Customer View Model

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

English

Customer View Model

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

English

3D PDF

3D

Datasheets & Catalog Pages

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

English

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

English

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

English

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

English

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

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_1888247-1_09172018216_dmtec](#)

English



[MD_1888247-1_09172018216_dmtec](#)

English