

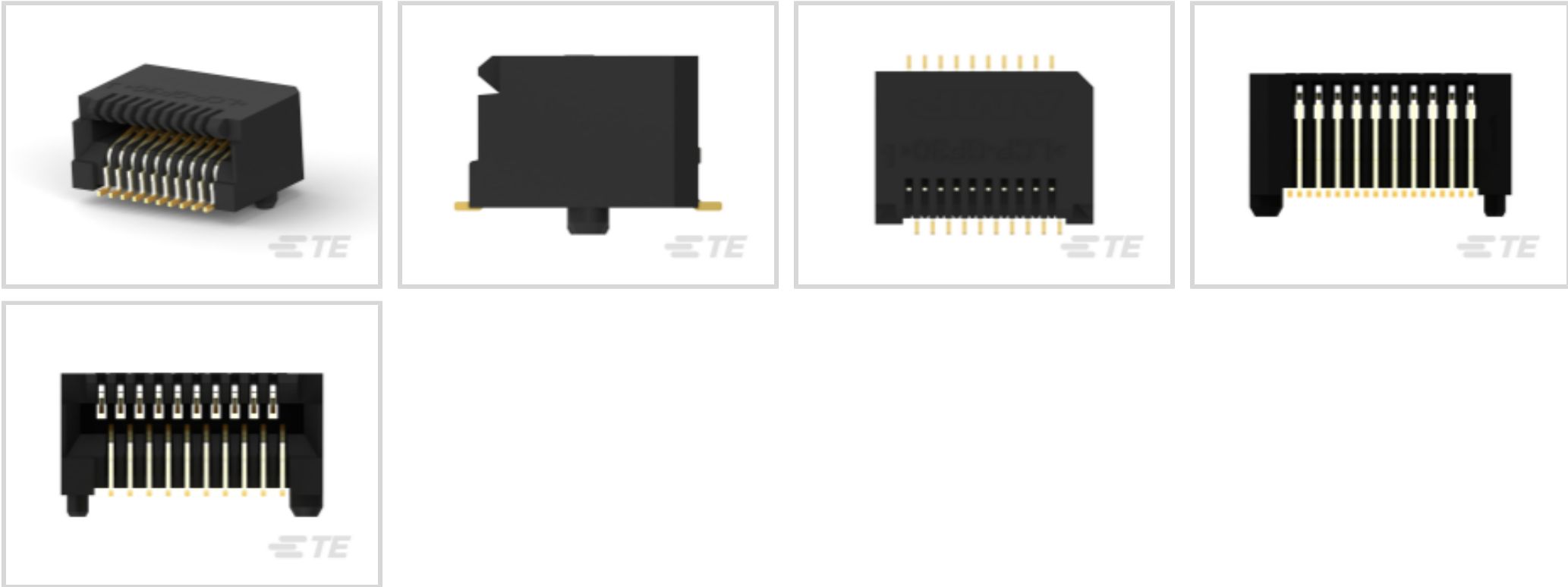


SFP28

TE Internal #: 1658197-1
SFP, Connector, .8mm [.031in] Centerline, Power & Signal,
Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate
(Max) 4 Gb/s, 20 Position

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP Connectors



Pluggable I/O Product Type: **Connector**
Centerline (Pitch): **.8 mm [.031 in]**
Sealable: **No**
Circuit Application: **Power & Signal**
Operating Temperature Range: **-55 – 85 °C [-67 – 185 °F]**

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

Features

Product Type Features

Pluggable I/O Product Type	Connector
Sealable	No
Form Factor	SFP

Configuration Features

Number of Positions	20
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Electrical Characteristics

Data Rate (Max)	4 Gb/s
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Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
Contact Mating Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

Termination Features



Termination Method to PCB	Surface 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

Pluggable I/O Applications	SFP
Circuit Application	Power & Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Reel
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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 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	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>

Customers Also Bought

TE Part #5-1879021-1
SMW3 12R 5%

TE Part #5-6450860-0
MBXLE VERT RCPT
3HDP+1LP+24S+1LP+3HDP

TE Part #6116794-3
RCPT ASSY,LPF,RTA,50P,BD,ILL

TE Part #2227838-9
2X12 ZSFP+ CONNECTOR ASSEMBLY

TE Part #2-6450820-6
MBXL VERT HDR 1P+8S+1P

TE Part #2024579-1
C/A, CISCO 72-5435-01, POWER,
MBXLE

TE Part #2227317-5
press fit cage assy, single with lp

TE Part #2274270-7
zSFP+ STACKED 2X8 RECEPTACLE
ASSEMBLY

TE Part #2352533-1
HEAT SINK CLIP QSFP28/QSFP_DD

Documents

Product Drawings
SFP, 20 POSN, 0.8MM PITCH, SUR
English

CAD Files
3D PDF
English

Customer View Model
ENG_CVM_1658197-1_B.2d_dxf.zip
English

Customer View Model
ENG_CVM_1658197-1_B.3d_igs.zip



English

Customer View Model

[ENG_CVM_1658197-1_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 - SFP 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

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

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Instruction Sheets

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

English

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

English