

1658197-1 ✓ ACTIVE



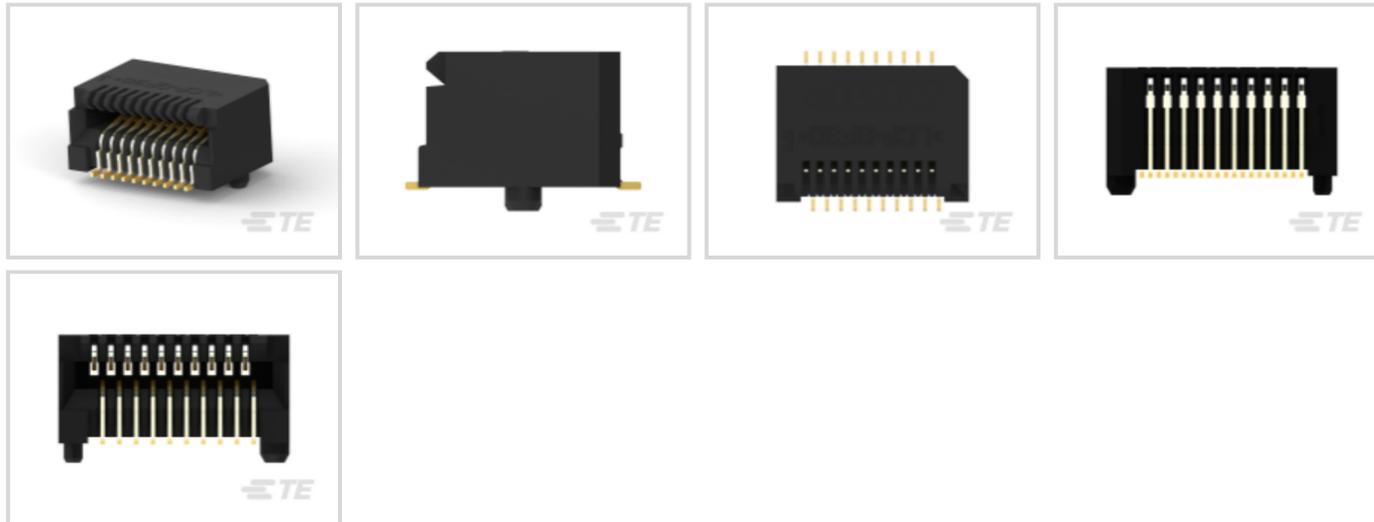
SFP28

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

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F < 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 #5-147279-4
04 MODII HDR DR SFMT B/A T&R LF



TE Part #8-1926739-3
ASSYMINIPAK HDL25S10PRARECPTSC



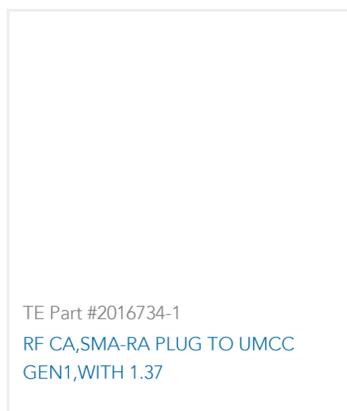
TE Part #2178531-4
Crown Clip Junior AG Plating Reflow



TE Part #6339447-7
RCPT ASSY,LP,SHLD,RA50,STD



TE Part #2016732-1
RF CA,MCX-RA PLUG TO PLUG,WITH RG316



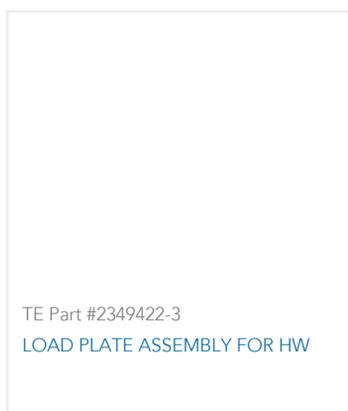
TE Part #2016734-1
RF CA,SMA-RA PLUG TO UMCC GEN1,WITH 1.37



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



TE Part #2301210-1
ZSFP+ STACKED 2X12 RCPT ASSY, EMI SPRING



TE Part #2349422-3
LOAD PLATE ASSEMBLY FOR HW



TE Part #6651488-2
CONN,PIN,TOP DRAWER

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

[1-1773717-8_PLUGGABLEIO_QRG_TCN](#)

English

[1-1773717-7_PLUGGABLE_IO_QRG_CN](#)

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

[Application Specification](#)

English

Instruction Sheets

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

English

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

English