



SFP28

TE Internal #: 2110759-1
SFP+, Connector, .8mm [.031in] Centerline, Signal, Operating Temperature Range -55 – 85 °C [-67 – 185 °F], Data Rate (Max) 16 Gb/s, 20 Position

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Connectors > Pluggable IO Connectors & Cages > SFP Connectors



Form Factor: SFP+
Pluggable I/O Product Type: Connector
Centerline (Pitch): .8 mm [.031 in]
Sealable: No
Circuit Application: Signal

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

Features

Product Type Features

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

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 Current Rating (Max)	.5 A
Contact Mating Area Plating Material	Gold (Au)
	15 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	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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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

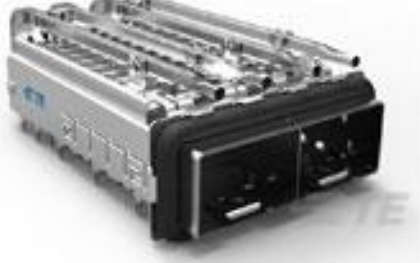
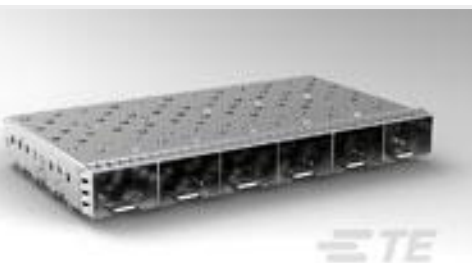
Product Compliance Disclaimer

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>

Compatible Parts

			
TE Part # 2170261-1 SFP+ Enhanced 1x1 Cage Assembly	TE Part # 2198242-1 SFP+ Enhanced 1x4, PCI Heatsink, LP	TE Part # 2198225-2 SFP+ Enhanced 1x2, SAN Heatsink, LP	TE Part # 2198225-3 SFP+ Enhanced 1x2, Net Heatsink, LP
			
TE Part # 2198229-1 SFP+ Enhanced 1x6, PCI Heatsink, LP	TE Part # 2198237-2 SFP+ Enhanced 1x6, SAN Heatsink, LP	TE Part # 2198232-1 SFP+ Enhanced 1x2, PCI Heatsink, LP	TE Part # 2198226-2 SFP+ Enhanced 1x2, SAN Heatsink, LP
			
TE Part # 2198226-4 SFP+ Enhanced 1x2, Net Heatsink, LP	TE Part # 2198233-1 SFP+ Enhanced 1x4, PCI Heatsink, LP	TE Part # CAT-C11-H5062 SFP+ to SFP+ I/O Cable Assembly: 28 AWG	TE Part # 2198229-4 SFP+ Enhanced 1x6, Net Heatsink, LP
			
TE Part # 2057161-1 SFP+ Enhanced 1x4 Cage Assy	TE Part # 2057086-1 SFP+ Enhanced 1x1 Cage Assembly	TE Part # 2170192-1 SFP+ Enhanced 1x6, W/ Low Heatsink	TE Part # 2149730-4 SFP+ Enhanced 1x4 Cage, Network Heatsink



TE Part # 2142970-4
CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M



TE Part # 2057086-2
SFP+ Enhanced 1x1 Cage Assembly



TE Part # 2198224-1
SFP+ Enhanced 1x2, PCI Heatsink



TE Part # 2198234-3
SFP+ Enhanced 1x4, Net Heatsink, LP

Customers Also Bought



TE Part #2204167-1
MBXLE R/A RCPT,A/C PASS THRU 4ACP+12S+3P



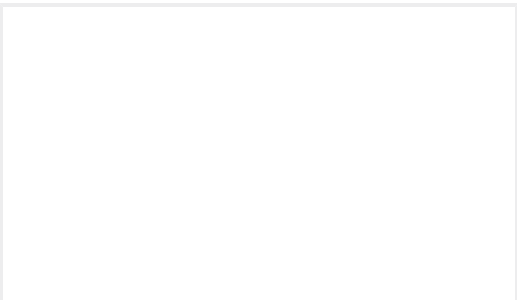
TE Part #6450361-1
MBXL R/A RCPT 24S+6P



TE Part #1658197-1
SFP, 20 POSN, 0.8MM PITCH, SUR



TE Part #5406206-1
MJ ASSY,6P,8POS,SHLD,CAT5e,NS



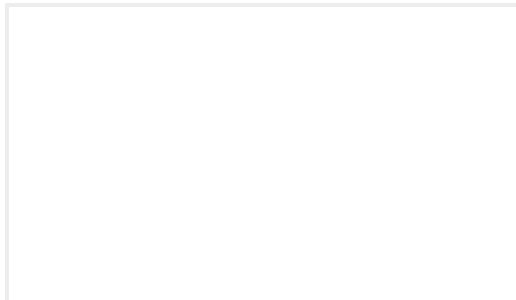
TE Part #2314176-1
CAGE ASSEMBLY, 1X4, QSFP28, SPRING



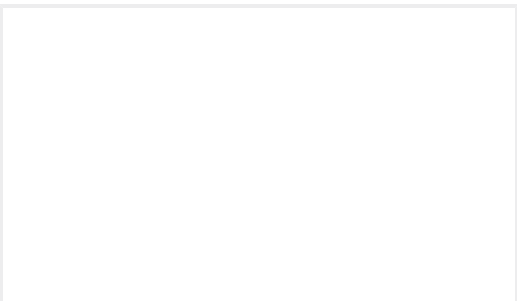
TE Part #2057162-1
SFP+ 1X4 Cage Assembly, PF, EF



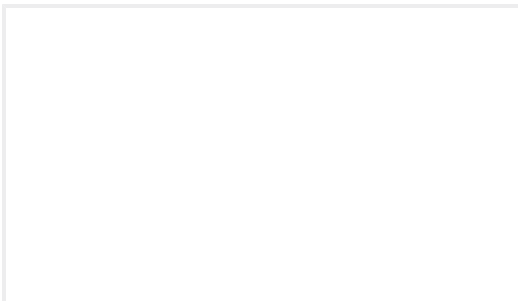
TE Part #2057159-1
SFP+ 1x1 Cage Assy, Press-Fit, 20 Pin



TE Part #2057548-3
SFP+ Stout 1X4 Cage Assembly, Press-Fit



TE Part #2356580-4
SOCKET P4 TFLM KIT W/ COVER



TE Part #2350977-1
QSFP28, 1X3 CAGE ASSEMBLY, SPRING

Documents

Product Drawings

PT CONN ASSY 20 POS 16G SFP

English

CAD Files

Customer View Model

ENG_CVM_CVM_2110759-1_A.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_2110759-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2110759-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[1-1773717-7_PLUGGABLE_IO_ORG_CN](#)

English

[1-1773717-8_PLUGGABLEIO_ORG_TCN](#)

English

[1-1773717-9_HIGH_SPEED_IO_ORG_JA](#)

English

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

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English