

2170286-1 ✓ ACTIVE



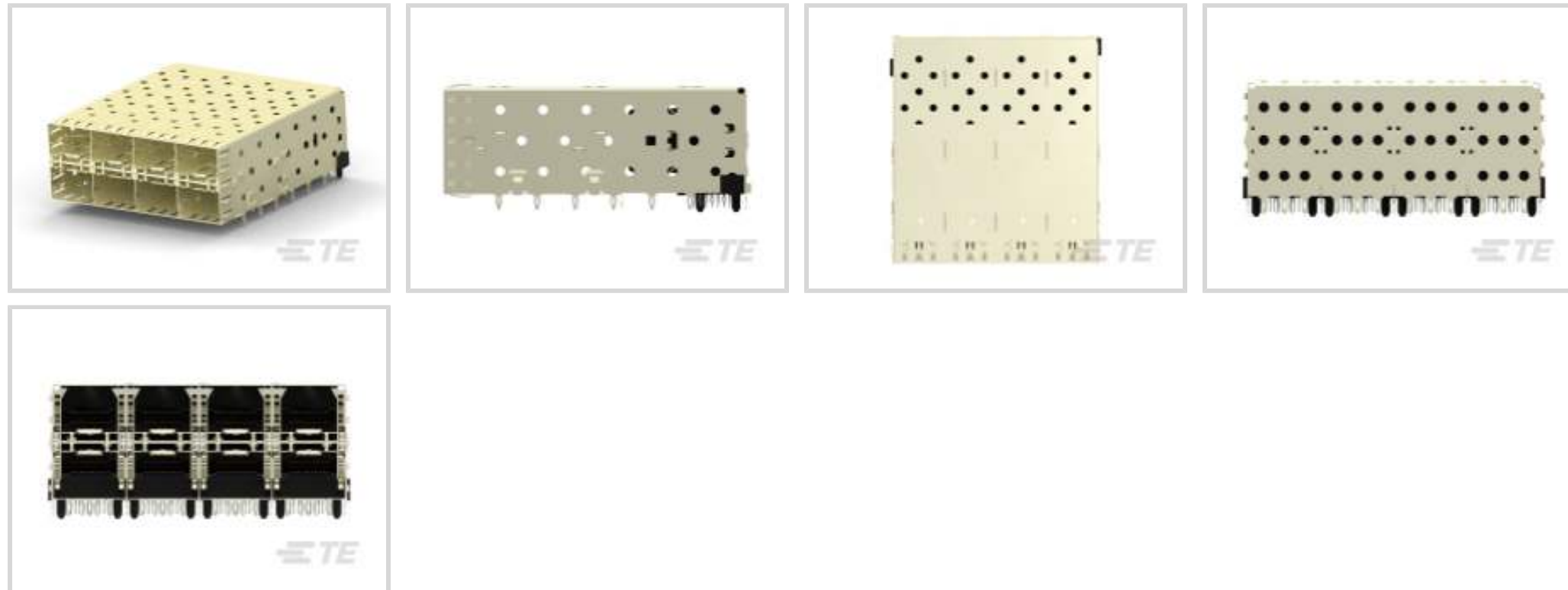
SFP28

TE Internal #: 2170286-1

SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector,
Data Rate (Max) 4 Gb/s, Internal/External EMI Springs, SFP, Not
Optional, 2 x 4

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+ > SFP+ Stacked Cage Assemblies



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Data Rate (Max): **4 Gb/s**

EMI Containment Feature Type: **Internal/External EMI Springs**

Pluggable I/O Applications: **SFP**

Lightpipe Options: **Not Optional**

[All SFP+ Stacked Cage Assemblies \(125\)](#)

Features

Product Type Features

Form Factor	SFP
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Lightpipe Options	Not Optional
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 4
Number of Ports	8
Number of Positions	160

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]
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Contact Mating Area Plating Material	Gold
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Termination Features

Termination Post & Tail Length	3 mm[.118 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Cage Material	Nickel Silver
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Centerline (Pitch)	.8 mm[.032 in]
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Dimensions

PCB Thickness (Recommended)	1.5 mm[.059 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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Operation/Application

Heat Sink Compatible	No
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Pluggable I/O Applications	SFP
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray, Tray
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Other

Pluggable I/O Connectors Comment	Low Profile
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EMI Containment Feature Type	Internal/External EMI Springs
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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
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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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

 <p>TE Part # 1367147-1 SFP COVER, UNPLATED</p>	 <p>TE Part # 1367147-3 SFP COVER, UNPL, NO LOGO</p>	 <p>TE Part # 1761005-1 SFP 2X4 LIGHT PIPE ASSY</p>	 <p>TE Part # 1948134-1 C/A, PASSIVE SFP 4.25GBPS, 0.5M, 28AWG</p>
 <p>TE Part # 1948134-2 C/A, PASSIVE SFP 4.25GBPS, 1.0M, 28AWG</p>	 <p>TE Part # 1948134-3 C/A, PASSIVE SFP 4.25GBPS, 2.0M, 28AWG</p>	 <p>TE Part # 1948134-4 C/A, PASSIVE SFP 4.25GBPS, 3.0M, 28AWG</p>	 <p>TE Part # 1948134-5 C/A, PASSIVE SFP 4.25GBPS, 4.0M, 28AWG</p>

Customers Also Bought



TE Part #1-2007637-8
SFP+ Stacked Cage Assemblies



TE Part #3-640621-2
02P MTA100 CONN ASSY F/T NATL



TE Part #2176083-7
EP 5W (S) 100R 5%



TE Part #2291634-3
SFP+ 1X1 CAGE ASSY, PF, WITH HEATSINK



TE Part #1410270-2
MULTIGIG RT PWR .8" VRT RCP 4P PBFR



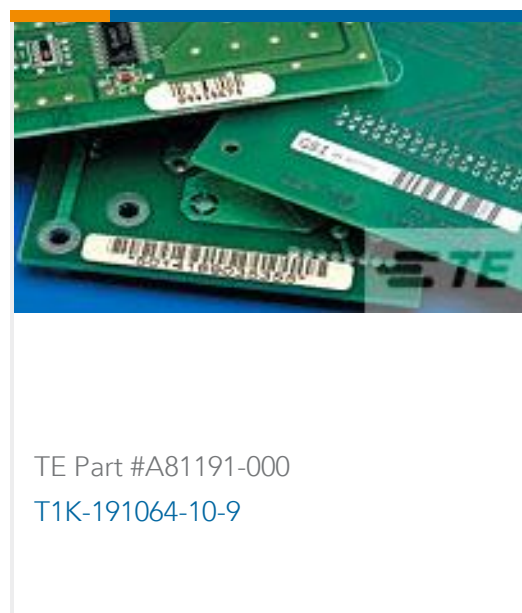
TE Part #2187194-1
SW PIR RECT, 100OHM, 9X6SP



TE Part #1761014-3
SFP 1X2 CAGE ASSY, PRESS FIT



TE Part #2319764-4
E STACK PIANO 8P G LONG TUBE PD ON



TE Part #A81191-000
T1K-191064-10-9

Documents

Product Drawings

[PRESS FIT 2X4 REDUCED PROFILE](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2170286-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170286-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170286-1_B.3d_stp.zip](#)

English

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Product Specifications



Application Specification

English