

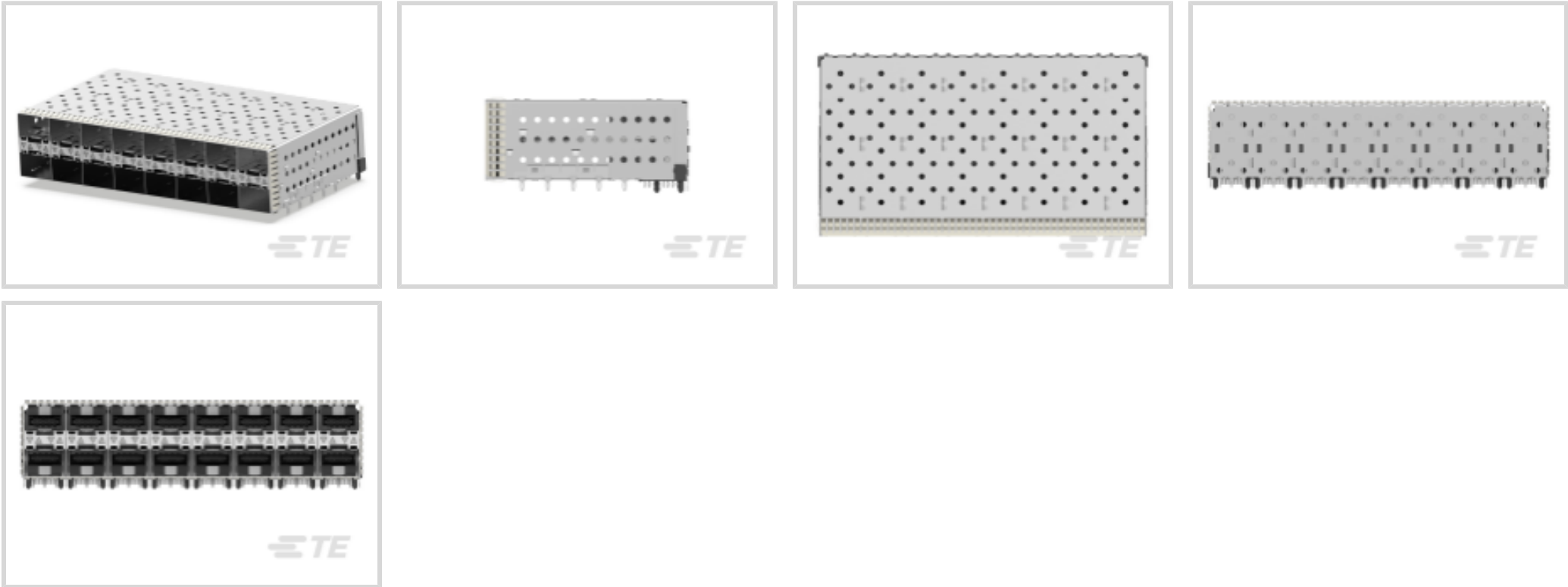


SFP28

TE Internal #: 1-2149490-5
SFP+, Cage Assembly with Integrated Connector, .8mm [.032in]
Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]

[View on TE.com >](#)

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



Form Factor: **SFP+**
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **No**
Circuit Application: **Signal**

[All SFP+ Stacked Cage Assemblies \(73\)](#)

Features

Product Type Features

Cage Type	Stacked
Form Factor	SFP+
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No

Configuration Features

Number of Positions	320
Number of Ports	16
Port Matrix Configuration	2 x 8

Electrical Characteristics

Data Rate (Max)	16 Gb/s
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Contact Features

Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
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Tail Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	3 mm[.118 in]

Housing Features

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

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

Pluggable I/O Applications	EMI Enhanced
Heat Sink Compatible	No
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Package
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Other

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs

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	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

 TE Part # 2142970-7 CABLE ASSY, MICRO SFP+ TO STD SFP+, 6M	 TE Part # 4-2821222-5 SFP56 DIRECT ATTACH CA, 2M, 30AWG	 TE Part # CAT-C11-N4901114 SFP28 to SFP28 Cable Assembly: 30 AWG	 TE Part # CAT-C11-H5062 SFP+ to SFP+ I/O Cable Assembly: 28 AWG
 TE Part # 2334985-2 SFP28 DIRECT ATTACH CA, 1M, 32AWG	 TE Part # CAT-C11-N49011 SFP28 to SFP28 Cable Assembly: 26 AWG	 TE Part # 2142970-2 CABLE ASSY, MICRO SFP+ TO STD SFP+, 1M	 TE Part # CAT-Q17-N49011 QSFP56-Four SFP56 Cable Assembly: 30 AWG
 TE Part # 4-2821224-5 SFP56 DIRECT ATTACH CA, 3M, 26AWG	 TE Part # 2142970-4 CABLE ASSY, MICRO SFP+ TO STD SFP+, 3M	 TE Part # CAT-C11-H506 SFP+ to SFP+ I/O Cable Assembly: 26 AWG	 TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG



TE Part # 2142970-6
CABLE ASSY, MICRO SFP+ TO STD SFP+, 5M



TE Part # 2142970-5
CABLE ASSY, MICRO SFP+ TO STD SFP+, 4M

TE Part # CAT-C11-H50626
SFP+ to SFP+ I/O Cable Assembly: 30 AWG



TE Part # 2142970-1
CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M

TE Part # 4-2334985-2
SFP56 DIRECT ATTACH CA, 1M, 32AWG

TE Part # CAT-Q17-N490333
QSFP56-Four SFP56 Cable Assembly: 26 AWG

TE Part # 2142970-3
CABLE ASSY, MICRO SFP+ TO STD SFP+, 2M

TE Part # CAT-C11-N490333
QSFP28-Four SFP+ Cable Assembly: 30 AWG

Customers Also Bought

TE Part #1-2176346-0
CRGCQ 1210 33R 5%

TE Part #1761681-3
IDC LOW PRO HDR 10P VERT HT BLACK

TE Part #2176053-1
RLP73M 2A R051 1% 1K RL

TE Part #1825255-1
MHS12204=SPDT SL SW VERT AG

TE Part #1-776262-5
14POS,PIN DIA 1.3,HDR ASSY, 180DEG,COD 5

TE Part #2-2176308-3
RP 1E 0.1W 226K 0.1% 25PPM 5K RL

TE Part #2176339-9
CRGCQ 0603 47R 1%

TE Part #1614881-8
CPF0603 15K 0.1% 25PPM 1K RL

TE Part #2-2176236-1
CPF A 0402 4K7 0.1% 25PPM 5K RL

TE Part #3-2176455-9
CPF 0402 274K 0.1% 25ppm 1K RL

Documents



Product Drawings

SFP+ Assy 2x8 EMI Spg 4 Lp Sn Enhanced

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2149490-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2149490-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2149490-5_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

4-1773455-3 - Quick Reference Guide SFP+ Solutions

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English