



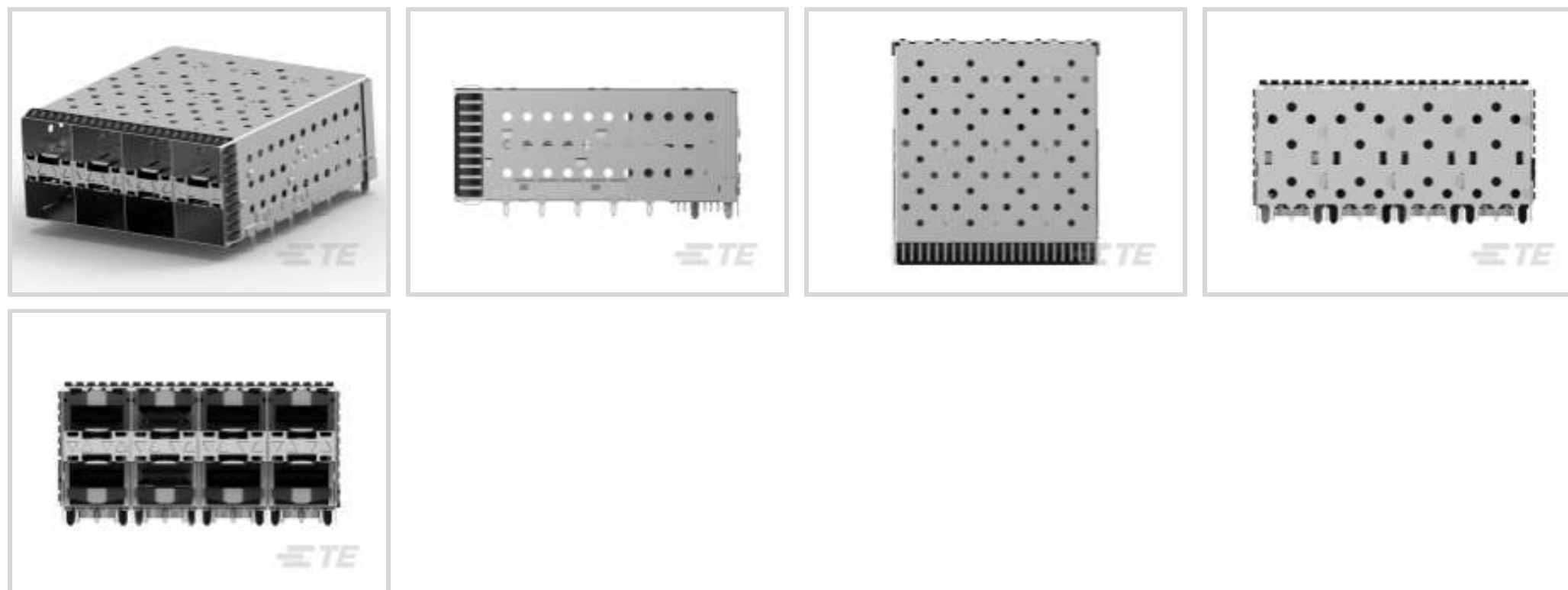
SFP28

TE Internal #: 2007394-5

SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector,  
Data Rate (Max) 16 Gb/s, Internal/External EMI Springs, SFP+, With  
Lightpipe, 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): **16 Gb/s**

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

Pluggable I/O Applications: **SFP+**

Lightpipe Options: **With Lightpipe**

[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	With Lightpipe
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Port Matrix Configuration	2 x 4
Lightpipe Configuration	Four Triangular (Inner & Outer)
Number of Ports	8
Number of Positions	160



### Electrical Characteristics

Data Rate (Max)	16 Gb/s
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### Contact Features

Tail Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 $\mu$ m
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel

### Termination Features

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

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### 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

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

### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Tray
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### Other

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
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 2023 (235) 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 # CAT-C11-N490333  
QSFP28-Four SFP+ Cable Assembly:  
30 AWG



TE Part # CAT-C11-N490325  
QSFP28-Four SFP+ Cable Assembly:  
26 AWG



TE Part # CAT-C11-N4901114  
SFP28 to SFP28 Cable Assembly: 30  
AWG



TE Part # CAT-C11-N49011  
SFP28 to SFP28 Cable Assembly: 26  
AWG



TE Part # CAT-Q17-N49011  
QSFP56-Four SFP56 Cable Assembly:  
30 AWG



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



TE Part # 4-2821222-5  
SFP56 DIRECT ATTACH CA, 2M,  
30AWG



TE Part # 4-2821224-5  
SFP56 DIRECT ATTACH CA, 3M,  
26AWG




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



TE Part # 1888901-1  
SFP+ EMI Plug



TE Part # 2007099-1  
SFP+ 1x4 Light Pipe Assembly



TE Part # 2170068-1  
SFP+ 1x4 Light Pipe Assembly Low Profile



TE Part # CAT-C11-H5  
SFP+ to SFP+ I/O Cable Assembly: 24 AWG



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



TE Part # CAT-C11-H506  
SFP+ to SFP+ I/O Cable Assembly: 26 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 # 2018280-3  
KIT, SEATING TOOL, SFP+2x4



TE Part # 2063048-2  
SFP, 2x1 EXTRACTION TOOL ASSY



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


## Customers Also Bought



TE Part #5352332-1  
2MM HM TYPE A MALE HDR 154 POS



TE Part #5-5179009-5  
0.8FH,R09H.5,120,08/Sn,TU



TE Part #1-5177986-4  
Free Height Plug Connector: Board-Board, Vertical, 100, 0.8mm



TE Part #1-5177986-2  
0.8FH,P06H.5,060,08/Sn,TR,SC



TE Part #5177986-6  
0.8FH,P05H.5,140,08/Sn,TR,SC



TE Part #1551892-1  
Cage Assy Behind Bezel QSFP28



TE Part #1658744-3  
SFP 1X4 CAGE ASSY



TE Part #2-5353515-0  
ON TAPING (EMBOSS) 0.5MM FS CONN. TAB AS



## Documents

### Product Drawings

[SFP+assy 2x4 Spring Fingers 4](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2007394-5\\_E.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2007394-5\\_E.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2007394-5\\_E.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

[SFP+ Product Family: Cages, Connectors, Cable Assemblies 4-1773449-5](#)

English

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

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[MD\\_2007394-5\\_0314201729\\_dmtec](#)

English

[MD\\_2007394-5\\_0314201729\\_dmtec](#)

English



**Instruction Sheets**

**Instruction Sheet (U.S.)**

English

**Instruction Sheet (U.S.)**

English