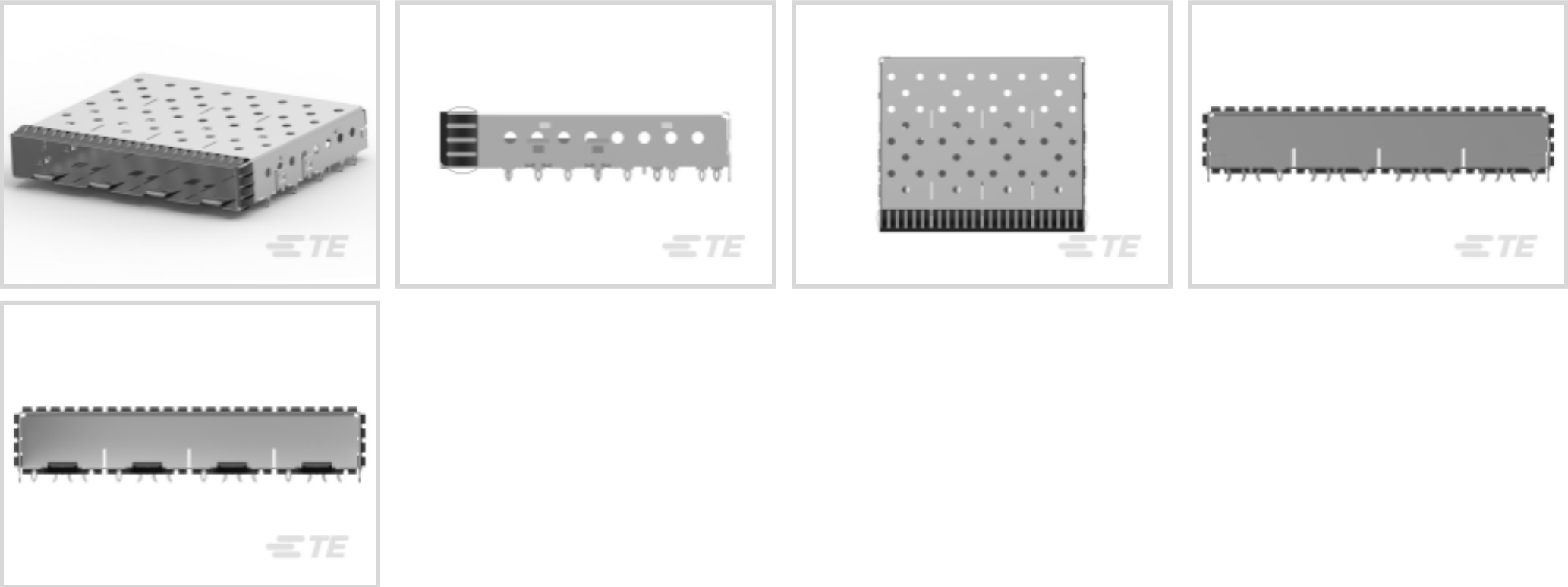




TE Internal #: 2007178-1  
SFP, SFP+ & zSFP+, Cage Assembly, Data Rate (Max) 16 Gb/s,  
External Springs, SFP+, Included Lightpipe, 1 x 4, Dual Round,  
Standard, Standard  
[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+



Pluggable I/O Product Type: **Cage Assembly**  
Data Rate (Max): **16 Gb/s**  
EMI Containment Feature Type: **External Springs**  
Pluggable I/O Applications: **SFP+**  
Included Lightpipe: **Yes**

Features

Product Type Features

Form Factor	SFP+
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Integrated Lightpipes	No
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	1 x 4
Lightpipe Configuration	Dual Round
Lightpipe Style	Standard
Lightpipe Profile	Standard
Number of Ports	4

Electrical Characteristics

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Data Rate (Max)	16 Gb/s
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Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

PCB Mounting Style	Through Hole - Press-Fit
Connector Mounting Type	Board Mount

Housing Features

Cage Material	Nickel Silver
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Dimensions

Tail Length	2.05 mm[.081 in]
PCB Thickness (Recommended)	2.25 mm[.089 in]

Usage Conditions

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

Heat Sink Compatible	No
For Use With Pluggable I/O Products	SFP+ SMT Connector
Pluggable I/O Applications	SFP+
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray, Box
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Other

EMI Containment Feature Type	External Springs
Included Lightpipe	Yes

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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>






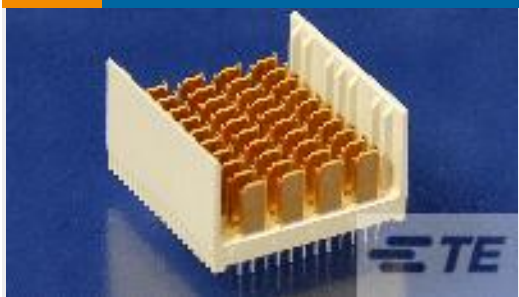

Compatible Parts

 <p>TE Part # CAT-SF59-C76264 SFP Connectors</p>	 <p>TE Part # CAT-C11-H50626 SFP+ to SFP+ I/O Cable Assembly: 30 AWG</p>	 <p>TE Part # CAT-C11-N490333 QSFP28-Four SFP+ Cable Assembly: 30 AWG</p>	 <p>TE Part # CAT-C11-N490325 QSFP28-Four SFP+ Cable Assembly: 26 AWG</p>
 <p>TE Part # 2334985-2 SFP28 DIRECT ATTACH CA, 1M, 32AWG</p>	 <p>TE Part # CAT-C11-N4901114 SFP28 to SFP28 Cable Assembly: 30 AWG</p>	 <p>TE Part # CAT-C11-N49011 SFP28 to SFP28 Cable Assembly: 26 AWG</p>	 <p>TE Part # CAT-Q17-N49011 QSFP56-Four SFP56 Cable Assembly: 30 AWG</p>



 <p>TE Part # CAT-Q17-N490333 QSF56-Four SFP56 Cable Assembly: 26 AWG</p>	 <p>TE Part # 4-2821222-5 SFP56 DIRECT ATTACH CA, 2M, 30AWG</p>	 <p>TE Part # 4-2821224-5 SFP56 DIRECT ATTACH CA, 3M, 26AWG</p>	 <p>TE Part # 4-2334985-2 SFP56 DIRECT ATTACH CA, 1M, 32AWG</p>
 <p>TE Part # 1367147-1 SFP COVER, UNPLATED</p>	 <p>TE Part # 1367147-3 SFP COVER, UNPL, NO LOGO</p>	 <p>TE Part # 1761394-1 DUST COVER, SFP, GANGED &amp; STACKED</p>	 <p>TE Part # CAT-C11-H5 SFP+ to SFP+ I/O Cable Assembly: 24 AWG</p>
 <p>TE Part # CAT-C11-H506 SFP+ to SFP+ I/O Cable Assembly: 26 AWG</p>	 <p>TE Part # CAT-C11-H5062 SFP+ to SFP+ I/O Cable Assembly: 28 AWG</p>	 <p>TE Part # 2018002-1 SEATING TOOL, 1X4 KIT</p>	 <p>TE Part # 2142970-1 CABLE ASSY, MICRO SFP+ TO STD SFP+, 0.5M</p>

Customers Also Bought

 <p>TE Part #5414907-1 JACK,PCB,75 OHM,NC</p>	 <p>TE Part #1888247-2 20 POS SMT CONN, SFP/SFP+, 15A</p>	 <p>TE Part #2176079-5 EP 3W 47R 5%</p>	 <p>TE Part #1-353715-2 DYNAMIC D-3 REC CONT. 3L AU 0.38</p>
 <p>TE Part #7-1414778-3 V23130C2421A431-EV-CBOX</p>	 <p>TE Part #6469074-1 HM-ZD 4PR HDR ASSY 1.8MM</p>	 <p>TE Part #1658744-3 SFP 1X4 CAGE ASSY</p>	

Documents



Product Drawings

SFP+ 1x4 Cage Assembly, Light

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_2007178-1\_C.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2007178-1\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2007178-1\_C.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

TE Material Declaration

English