



TE Internal #: 2227838-7
 SFP, SFP+ & zSFP+, Cage Assembly with Integrated Connector,
 Data Rate (Max) 32 Gb/s, Internal/External EMI Springs, zSFP+
 Thermally Enhanced

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > SFP, SFP+ & zSFP+ > zSFP+ Stacked Cage Assembly: EMI Spring



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

Data Rate (Max): **32 Gb/s**

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

Pluggable I/O Applications: **zSFP+ Thermally Enhanced**

Lightpipe Options: **With Lightpipe**

[All zSFP+ Stacked Cage Assembly: EMI Spring \(45\)](#)

Features

Product Type Features

Form Factor	zSFP+ Stacked (SFP28)
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 12
Lightpipe Configuration	Dual Triangular (Inner)
Lightpipe Style	Standard
Number of Ports	24
Number of Positions	480



Electrical Characteristics

Data Rate (Max)	32 Gb/s
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Contact Features

Tail Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 μ m[29.92 μ in]

Termination Features

Termination Post & Tail Length	1.8 mm[.07 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 Alloy
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

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

Operating Temperature Range	0 – 70 °C[32 – 158 °F]
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Operation/Application

Heat Sink Compatible	No
For Use With Pluggable I/O Products	zSFP+ SMT Connector
Pluggable I/O Applications	zSFP+ Thermally Enhanced
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: JAN 2023 (233) 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-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 # 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 QSFP56-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>




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



TE Part # 2334985-2
SFP28 DIRECT ATTACH CA, 1M, 32AWG



TE Part # CAT-C11-N490111
SFP28 to SFP28 Cable Assembly: 28 AWG

Customers Also Bought



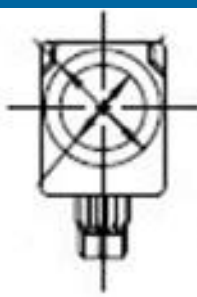
TE Part #2227669-1
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1




TE Part #1-6450160-0
MBXL R/A RCPT 2P+24S+2P



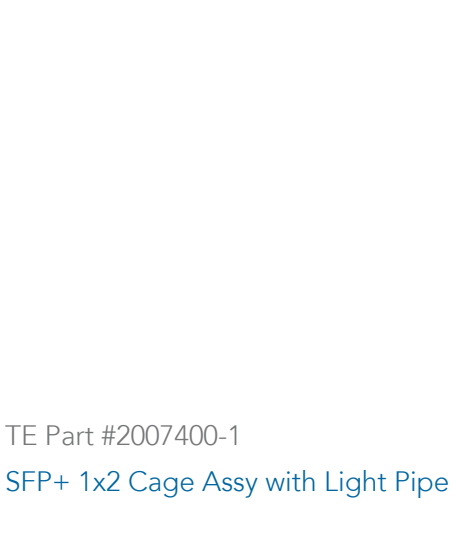
TE Part #2170288-1
1X4 CAGE ASSEMBLY, THRU BEZEL, QSFP



TE Part #5223979-2
UPM GUIDE MODULE



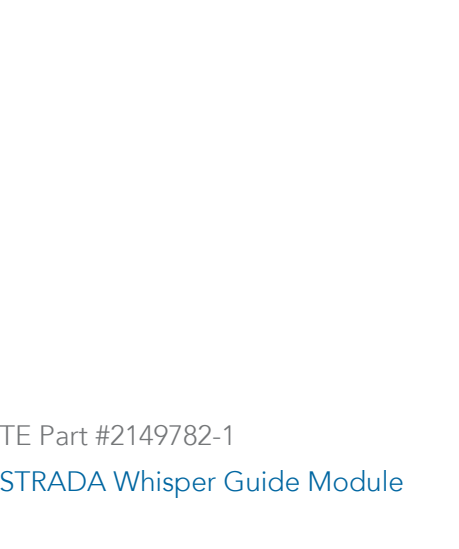
TE Part #2170775-4
CAGE ASSY, 1X4, QSFP28, GASKET, HS, LP



TE Part #2007400-1
SFP+ 1x2 Cage Assy with Light Pipe



TE Part #2143313-2
IMP100S,H,RA2P16C,LG,OEWS39,4.9



TE Part #2149782-1
STRADA Whisper Guide Module

Documents

CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG_CVM_CVM_2227838-7_A.2d_dxf.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2227838-7_A.3d_igs.zip](#)

English

[Customer View Model](#)

[ENG_CVM_CVM_2227838-7_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[zSFP+ Interconnect Brochure](#)

English



Product Specifications

Application Specification

English

Product Environmental Compliance

[MD_2227838-7_03132018236_dmtec](#)

English

[MD_2227838-7_03132018236_dmtec](#)

English