



TE Internal #: 2227838-7

zSFP+ Stacked (SFP28), Cage Assembly with Integrated Connector,
.8mm [.032in] Centerline, Signal, Operating Temperature Range 0 –
70 °C [32 – 158 °F]

[View on TE.com >](#)

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



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

Centerline (Pitch): **.8 mm [.032 in]**

Sealable: **No**

Circuit Application: **Signal**

Operating Temperature Range: **0 – 70 °C [32 – 158 °F]**

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

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No
Form Factor	zSFP+ Stacked (SFP28)

Configuration Features

Lightpipe Style	Standard
Number of Positions	480
Number of Ports	24
Port Matrix Configuration	2 x 12

Electrical Characteristics

Data Rate (Max)	32 Gb/s
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Contact Features

Tail Plating Material	Tin
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Contact Mating Area Plating Material Thickness	.76 µm[29.92 µin]
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Termination Features

Termination Post & Tail Length	1.8 mm[.07 in]
Termination Method to PCB	Through Hole - Press-Fit

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

Pluggable I/O Applications	zSFP+ Thermally Enhanced
Heat Sink Compatible	No
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

Included Lightpipe	No
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 2334985-2 SFP28 DIRECT ATTACH CA, 1M, 32AWG	 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 # 4-2821224-5 SFP56 DIRECT ATTACH CA, 3M, 26AWG
 TE Part # 4-2334985-2 SFP56 DIRECT ATTACH CA, 1M, 32AWG	 TE Part # CAT-C11-N490111 SFP28 to SFP28 Cable Assembly: 28 AWG	 TE Part # 4-2821222-5 SFP56 DIRECT ATTACH CA, 2M, 30AWG	

Customers Also Bought



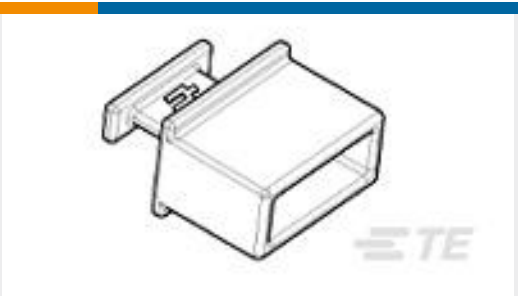
TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A



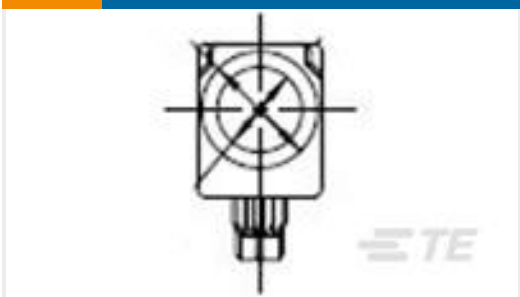
TE Part #2308107-7
DDR4 DIMM 288 PIN TH TYPE



TE Part #5650916-5
ASSY,PIN,EUROCARD,TYPE C/2,LEA



TE Part #1888810-2
EMI/Dust Cover,XFP And QSFP



TE Part #5223979-2
UPM GUIDE MODULE



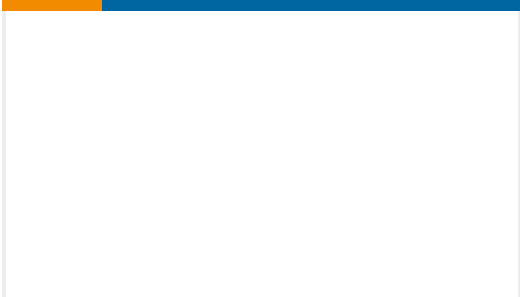
TE Part #2170790-1
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



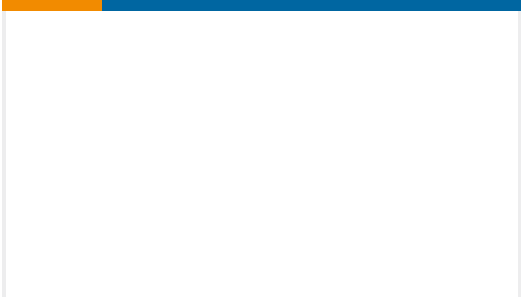
TE Part #2170775-4
CAGE ASSY, 1X4, QSFP28, GASKET, HS, LP



TE Part #2391507-1
CAGE ASSY W HS, 2X1 QSFP-DD 112



TE Part #2149782-1
STRADA Whisper Guide Module



TE Part #2302014-1
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT, LP, HS

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

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

Datasheets & Catalog Pages

zSFP+ Interconnect Brochure

English

Product Specifications



Application Specification

English