



SFP28

TE Internal #: 2149490-5

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

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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
Tail Plating Material	Tin
Contact Mating Area Plating Material Thickness	.76 µm

Termination Features

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

Pluggable I/O Applications	SFP+
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 # 2142970-5
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

Customers Also Bought



TE Part #2349642-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP



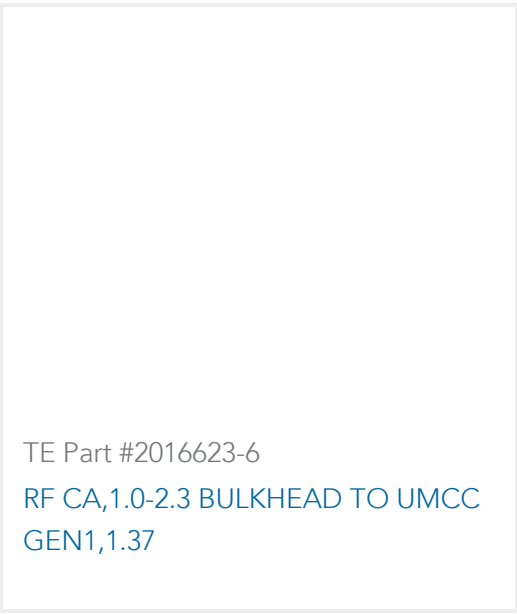
TE Part #2349642-3
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP



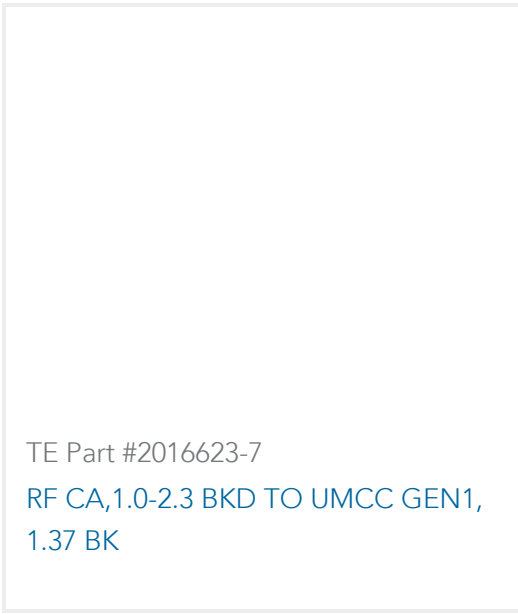
TE Part #2308171-1
ZQSFP+ CAGE& CONN 2X2, EMI
SPRING, BTB



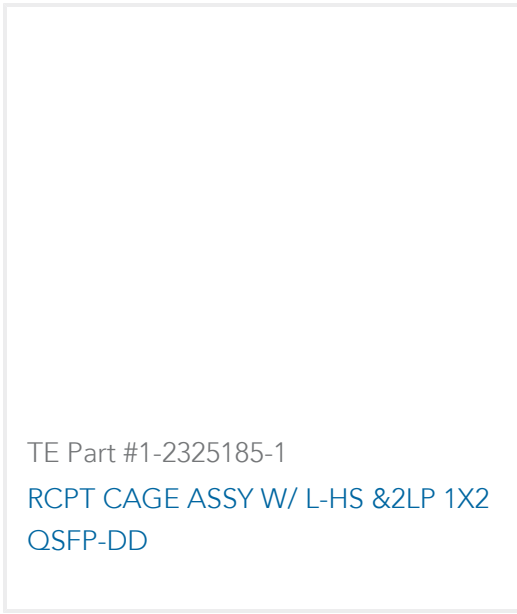
TE Part #CAT-D33047-SO1339
DDR4 SO DIMM Sockets



TE Part #2016623-6
RF CA,1.0-2.3 BULKHEAD TO UMCC
GEN1,1.37



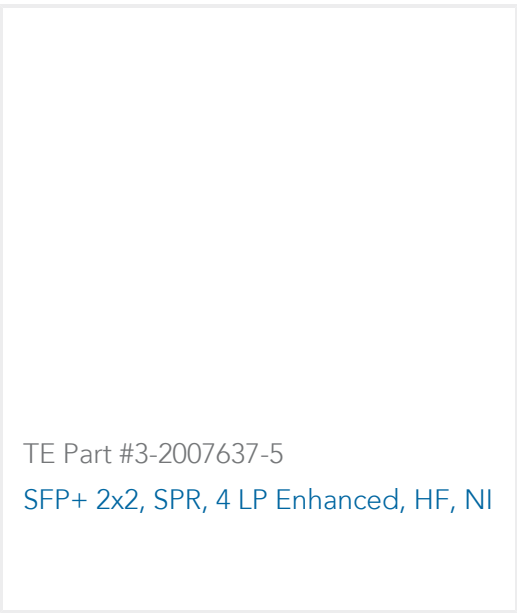
TE Part #2016623-7
RF CA,1.0-2.3 BKD TO UMCC GEN1,
1.37 BK



TE Part #1-2325185-1
RCPT CAGE ASSY W/ L-HS &2LP 1X2
QSFP-DD



TE Part #2016623-5
RF CA,1.0-2.3 TO UMCC WITH 1.37,
L265MM



TE Part #3-2007637-5
SFP+ 2x2, SPR, 4 LP Enhanced, HF, NI

Documents

Product Drawings

SFP+ Assy 2x8 Sprg 4 Lp Sn

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2149490-5_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2149490-5_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_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