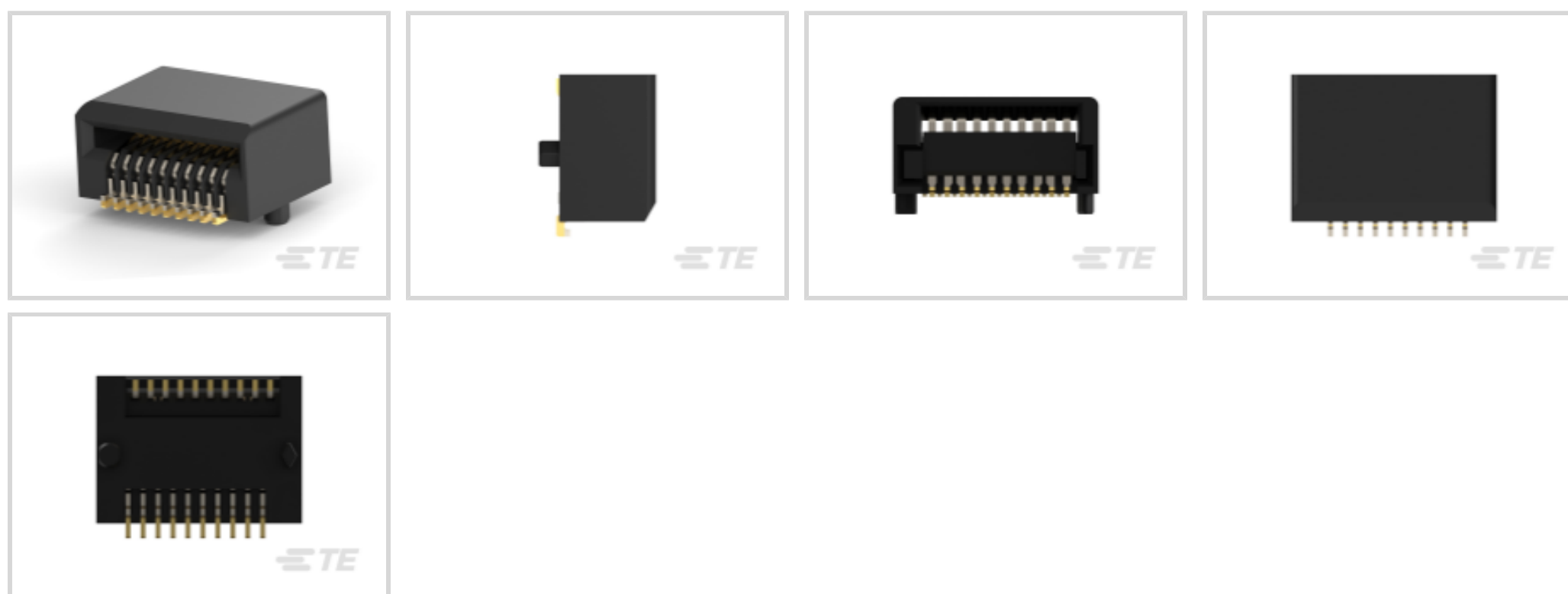




TE Internal #: 2170088-2
 SFP, SFP+ & zSFP+, Connector, Data Rate (Max) 32 Gb/s, SFP+,
 Not Optional, Surface Mount, Cable-to-Board, 20 Position, .031 in [
 8 mm] Centerline

[View on TE.com >](#)

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



Pluggable I/O Product Type: **Connector**
 Data Rate (Max): **32 Gb/s**
 Pluggable I/O Applications: **SFP+**
 Lightpipe Options: **Not Optional**
 Termination Method to Printed Circuit Board: **Surface Mount**

Features

Product Type Features

Form Factor	zSFP+
Pluggable I/O Product Type	Connector
Lightpipe Options	Not Optional
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	20
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Electrical Characteristics

Data Rate (Max)	32 Gb/s
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Contact Features

Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Current Rating (Max)	.5 A

Termination Features



Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	.8 mm [.031 in]
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Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
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Operation/Application

For Use With Pluggable I/O Products	zSFP+ SMT Connector
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Pluggable I/O Applications	SFP+
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Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Reel
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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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
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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



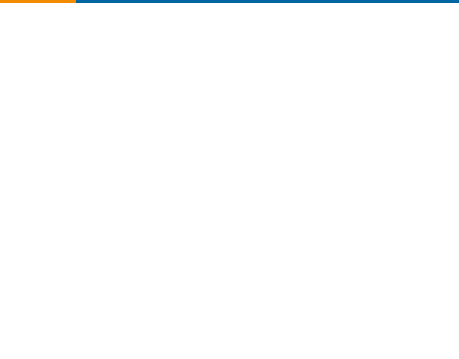
TE Part # 4-2334985-2
SFP56 DIRECT ATTACH CA, 1M,
32AWG



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



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



TE Part # 2309976-6
ZSFP+ 1X4 CAGE ASSEMBLY,
PRESSFIT, HS&LP

Customers Also Bought



TE Part #2309407-1
DDR4 SODIMM 260P 4.0H STD



TE Part #1-406541-6
MJ,INV,1X1,6PNL G,.140"ST,SN



TE Part #1551920-2
zQSFP+ connector assembly



TE Part #1-2324271-1
RIGHT SEGMENT LGA4189-4
SOCKETP4 FOR ODM



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2170088-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170088-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170088-2_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

[1-1773717-7_PLUGGABLE_IO_QRG_CN](#)

English

[1-1773717-8_PLUGGABLEIO_QRG_TCN](#)

English

[1-1773717-9_HIGH_SPEED_IO_QRG_JA](#)

English

Product Specifications

Application Specification

English



Product Environmental Compliance

[MD_2170088-2_08232016859_dmtec](#)

English

[MD_2170088-2_08232016859_dmtec](#)

English

Agency Approvals

[UL Report](#)

English