

2300281-1 ✓ ACTIVE

zQSFP+/QSFP28

TE Internal #: 2300281-1

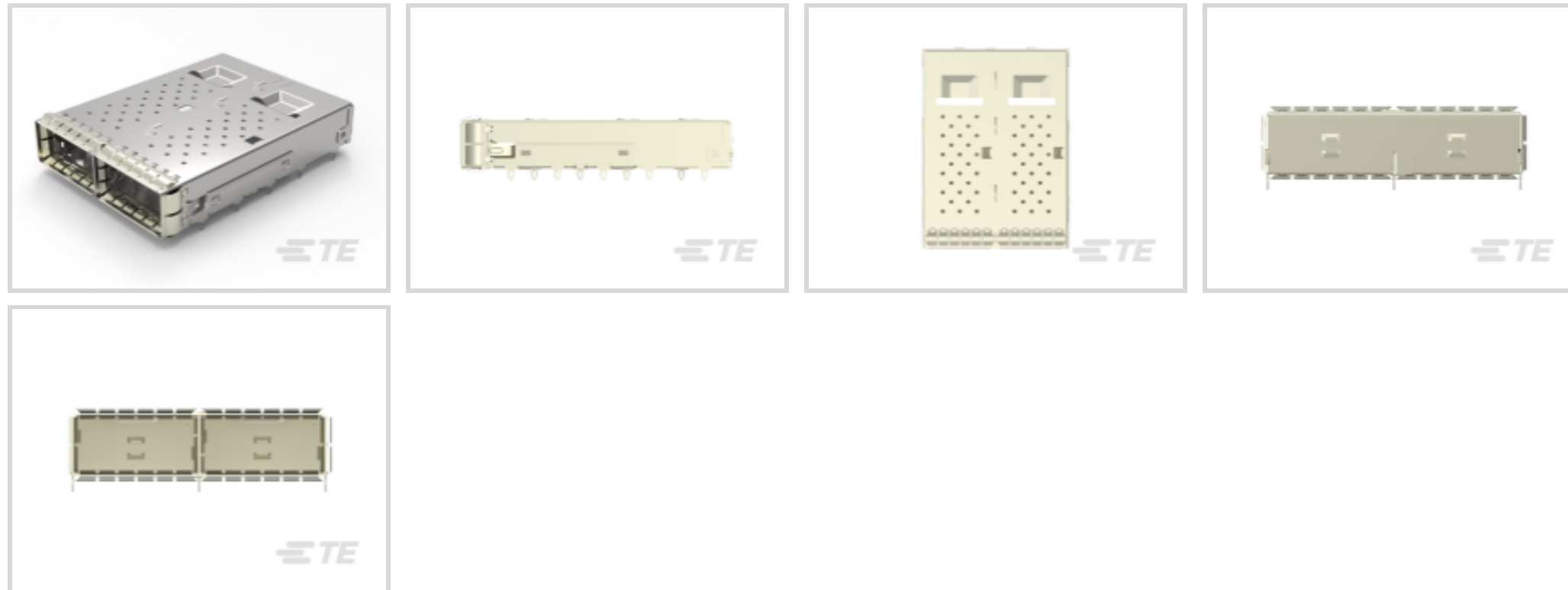
QSFP, QSFP+ & zQSFP+, Cage Assembly, 1 x 2, Internal/External

EMI Springs, 2 Port, 0 Rear EONs per Port Column, zQSFP+ /QSFP28

[View on TE.com >](#)



Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSFP+



Pluggable I/O Product Type: **Cage Assembly**

Port Matrix Configuration: **1 x 2**

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

Included Lightpipe: **No**

Number of Ports: **2**

Features

Product Type Features

Form Factor	QSFP28/56
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly

Configuration Features

Port Matrix Configuration	1 x 2
Number of Ports	2
Number of Rear EONs per Port Column	0

Contact Features

PCB Contact Termination Area Plating Material	Tin
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Termination Features

Termination Post & Tail Length	2.05 mm [.081 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
Centerline (Pitch)	19 mm[.748 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
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Operation/Application

Heat Sink Compatible	No
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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Other

EMI Containment Feature Type	Internal/External EMI Springs
Included Lightpipe	No

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 2022 (223) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-Z806726
QSFP28 to QSFP28 Cable Assembly:
30 AWG



TE Part # CAT-C11-N49
QSFP28-Two QSFP28 Cable
Assembly: 30 AWG



TE Part # CAT-C11-Z8
QSFP28 to QSFP28 Cable Assembly:
26 AWG



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-Q17-N490325
QSFP56 to QSFP56 Cable Assembly:
30 AWG



TE Part # CAT-Q17-N49033
QSFP56-Two QSFP56 Cable
Assembly: 30 AWG



TE Part # CAT-C11-Q17
QSFP56 to QSFP56 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 # 1551920-2
zQSFP+ connector assembly



TE Part # 2185234-1
ASSY, SEATING TOOL, QSFP28



TE Part # 2829040-2
QSFP IB EDR, 33AWG, 1.0M



TE Part # 2829040-4
QSFP IB EDR, 30AWG, 1.0M



TE Part # 2829040-6
QSFP IB EDR, 30AWG, 2.0M



TE Part # 2829040-7
QSFP IB EDR, 26AWG, 2.0M



TE Part # 2829040-8
QSFP IB EDR, 26AWG, 3.0M

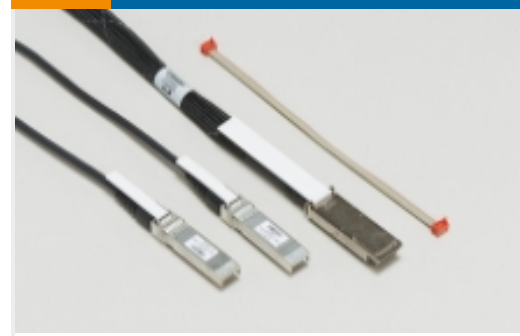


TE Part # 2821033-8
QSFP TO [4]SFP+, 28G, 1M, 33AWG

Also in the Series | zQSFP+/QSFP28



Heat Sinks(1)



Pluggable I/O Cable Assemblies(81)



QSFP, QSFP+ & zQSFP+(425)

Customers Also Bought



TE Part #6469001-1
HM-ZD 4PR RECP 80P



TE Part #2170790-3
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP



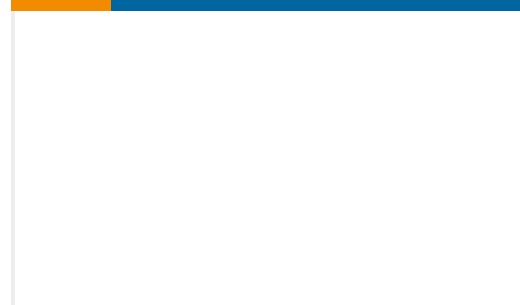
TE Part #2317010-1
ZSFP+ 1X2 CAGE BELLY TO BELLY



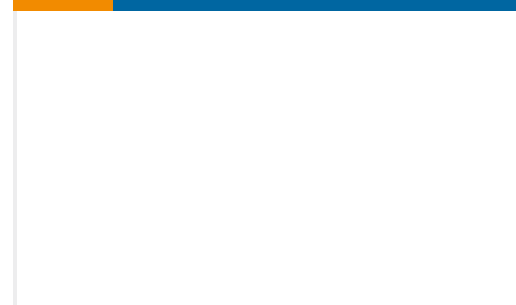
TE Part #205556-2
AMPLIMITE,ASY,PLUG,STD,109,1



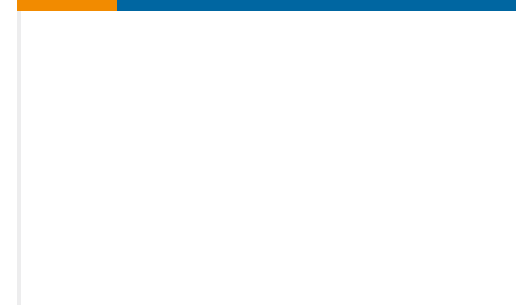
TE Part #2289129-5
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, 2 LP



TE Part #2-2299870-3
THERMAL ZQSFP+ STACKED REC ASSEMBLY 2X2



TE Part #2227104-5
1X2 CAGE ASSY, BHND BEZEL, QSFP28



TE Part #2343969-1
CA, Dynamic to ATX



TE Part #2360945-2
RCPT CONN R/A SMT 76 POSN QSFP-DD, W/ PI



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



Documents

Product Drawings

[CAGE ASSEMBLY, 1X2, QSFP28, SPRING](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2300281-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2300281-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2300281-1_A.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English