

2300281-1 ✓ ACTIVE

zQSFP+/QSFP28

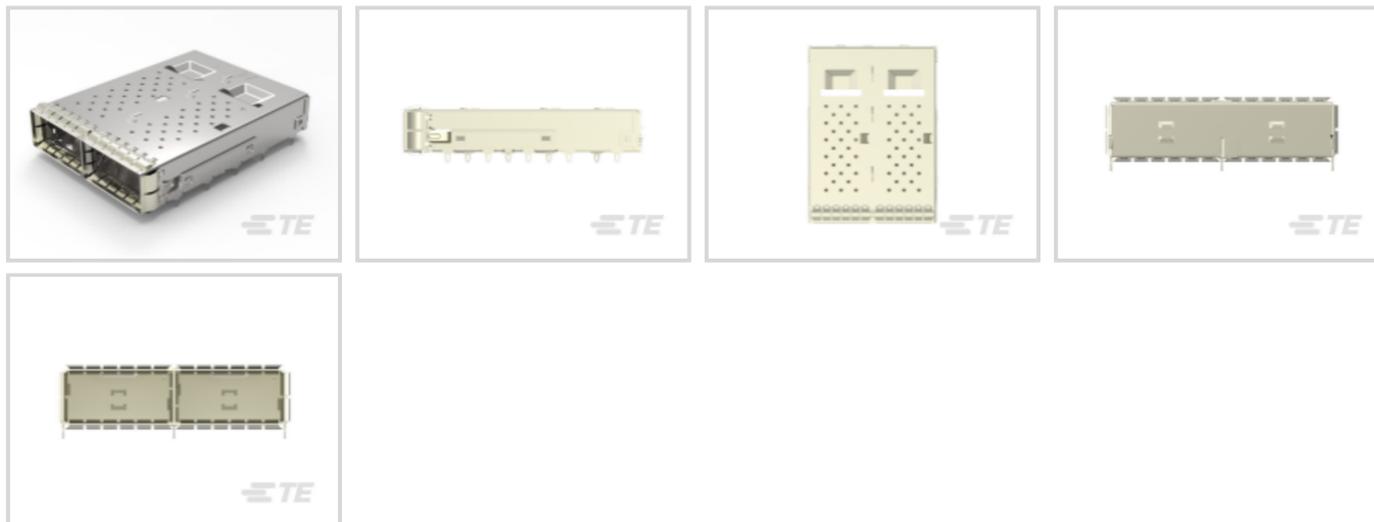
TE Internal #: 2300281-1

QSFP28/56, Cage Assembly, 19mm [.748in] Centerline, Operating Temperature Range -40 – 85 °C [-40 – 185 °F], 2 Ports, Port Matrix Configuration 1 x 2

[View on TE.com >](#)



Connectors > High Speed Pluggable IO Connectors & Cages



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

Centerline (Pitch): **19 mm [.748 in]**

Operating Temperature Range: **-40 – 85 °C [-40 – 185 °F]**

Number of Ports: **2**

Port Matrix Configuration: **1 x 2**

Features

Product Type Features

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

Configuration Features

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

Contact Features

PCB Contact Termination Area Plating Material	Tin
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm [.081 in]

Housing Features

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Cage Material	Nickel Silver
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Centerline (Pitch)	19 mm [.748 in]
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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

Included Lightpipe	No
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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
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EU ELV Directive 2000/53/EC	Out of Scope
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China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Not applicable for solder process capability
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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-Z8
QSFP28 to QSFP28 Cable Assembly:
26 AWG



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



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



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



TE Part # 1551920-2
zQSFP+ connector assembly



TE Part # CAT-Q17-N490325
QSFP56 to QSFP56 Cable Assembly:
30 AWG



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



TE Part # CAT-C11-N490325
QSFP28-Four SFP+ Cable Assembly:
26 AWG



TE Part # CAT-C11-N490333
QSFP28-Four SFP+ Cable Assembly:
30 AWG



TE Part # CAT-Q17-N490333
QSFP56-Four SFP56 Cable Assembly:
26 AWG



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



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



TE Part # CAT-C11-Z806726
QSFP28 to QSFP28 Cable Assembly:
30 AWG



TE Part # CAT-Q17-N49011
QSFP56-Four SFP56 Cable Assembly:
30 AWG

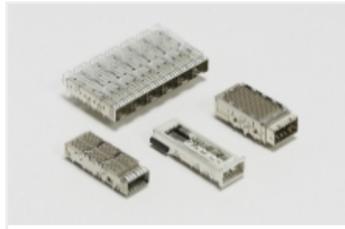
Also in the Series | **zQSFP+/QSFP28**



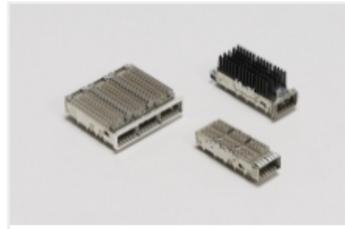
Heat Sinks(4)



High Speed I/O Cable Assemblies(78)



High Speed Pluggable IO Connectors & Cages(394)

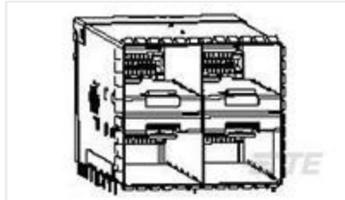


QSFP, QSFP+ & zQSFP+(394)

Customers Also Bought



TE Part #2007722-1
IMP100S,R,RA4P16C,RG,39



TE Part #2198325-5
zSFP+ STACKED 2X2 RECEPTACLE ASSEMBLY



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



TE Part #2289129-2
ZQSFP+ CAGE& CONN 2X2, EMI SPRING, 4 LP



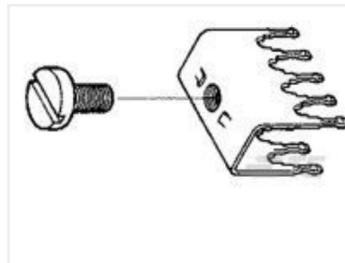
TE Part #2295036-1
SFP+ 1x1 Cage Assy, PF,with Heatsink



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



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



TE Part #1-5055558-1
10 PWR TAP CONT PLTD MTR .100



TE Part #1775838-6
mini PCI-E 5.6H Type II G/F



TE Part #2180490-4
IMP,Power,4PR,R/AH,R-HLD DWN, 5.7,6.9Tin

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