

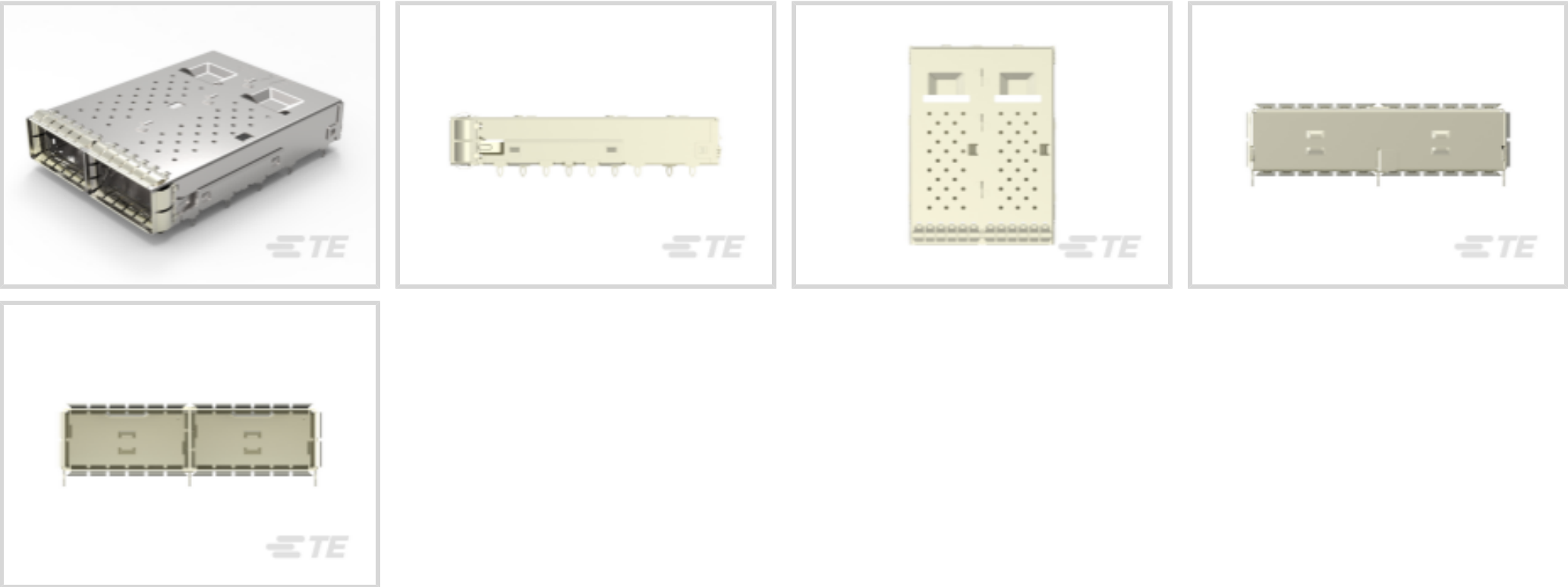


zQSFP+/QSFP28

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

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

Housing Features

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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

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: 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-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 # CAT-C11-Q17 QSFP56 to QSFP56 Cable Assembly: 26 AWG	 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(7)

Pluggable I/O Cable Assemblies(78)

Pluggable IO Connectors & Cages(424)

Customers Also Bought

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

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

TE Part #1-2333126-2
CAGE ASSY, QSFP-DD 1X1, STANDARD, 4LP

TE Part #2324193-5
CAGE ASSY, QSFP-DD 1X1, CUST HS

TE Part #2334155-2
ZQSFP+ 1X2 CAGE ASSY BHND BZL

TE Part #6368168-9
2X1 OFFSET ST/JK, 2 TOP BI-LED 12PNL GCP

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 #2466044-1
FEMALE GUIDE MODULE, TETON2 (CUSTOMER)



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

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

Product Specifications
Application Specification
English
Application Specification
English