

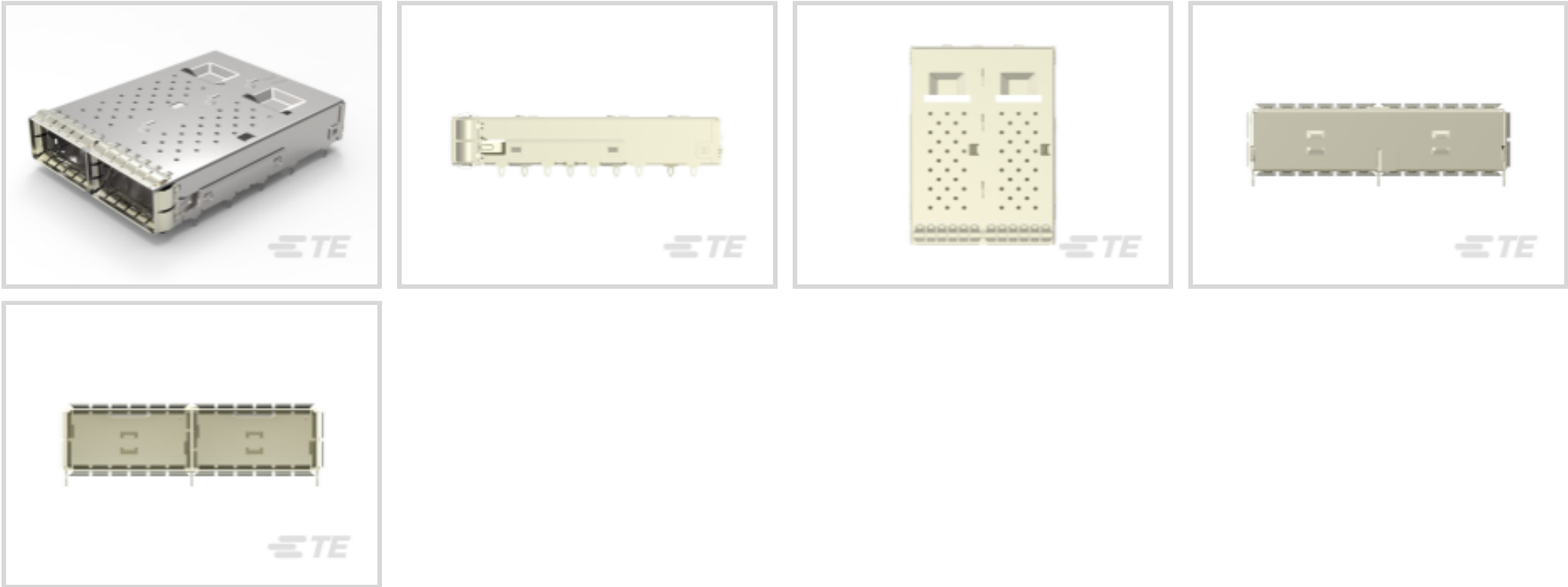


zQSFP+/QSFP28

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



Form Factor: **QSFP28/56**
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**

Features

Product Type Features

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

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
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	Out of Scope
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	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 # 2829040-7 QSFP IB EDR, 26AWG, 2.0M	 TE Part # 2829040-8 QSFP IB EDR, 26AWG, 3.0M	 TE Part # CAT-C11-Z8 QSFP28 to QSFP28 Cable Assembly: 26 AWG	 TE Part # CAT-C11-Q17 QSFP56 to QSFP56 Cable Assembly: 26 AWG
 TE Part # CAT-Q17-N49033 QSFP56-Two QSFP56 Cable Assembly: 30 AWG	 TE Part # 2829040-6 QSFP IB EDR, 30AWG, 2.0M	 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-N49 QSFP28-Two QSFP28 Cable Assembly: 30 AWG	 TE Part # CAT-Q17-N490333 QSFP56-Four SFP56 Cable Assembly: 26 AWG	 TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG	 TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0M
 TE Part # 1551920-2 zQSFP+ connector assembly	 TE Part # CAT-Q17-N490325 QSFP56 to QSFP56 Cable Assembly: 30 AWG	 TE Part # 2829040-2 QSFP IB EDR, 33AWG, 1.0M	 TE Part # 2185234-1 ASSY, SEATING TOOL, QSFP28



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(7)

Pluggable IO Connectors & Cages(424)

QSFP, QSFP+ & zQSPF+(424)

Customers Also Bought

TE Part #2149490-6
SFP+ Assy 2x8 Sprg Inner Lp Sn

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

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

TE Part #2170790-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

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

TE Part #1-2180324-9
zSFP+ STACKED 2X4 RECEPTACLE
ASSEMBLY

TE Part #3-2470253-3
ASSY STRADDLE 85Ohm 140P 062
SLIVER2.0

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

TE Part #6-2432269-3
ASSY STRADDLE 85Ohm 168P 062
SLIVER 2.0

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