

2170806-5 ✓ ACTIVE

zQSFP+/QSFP28

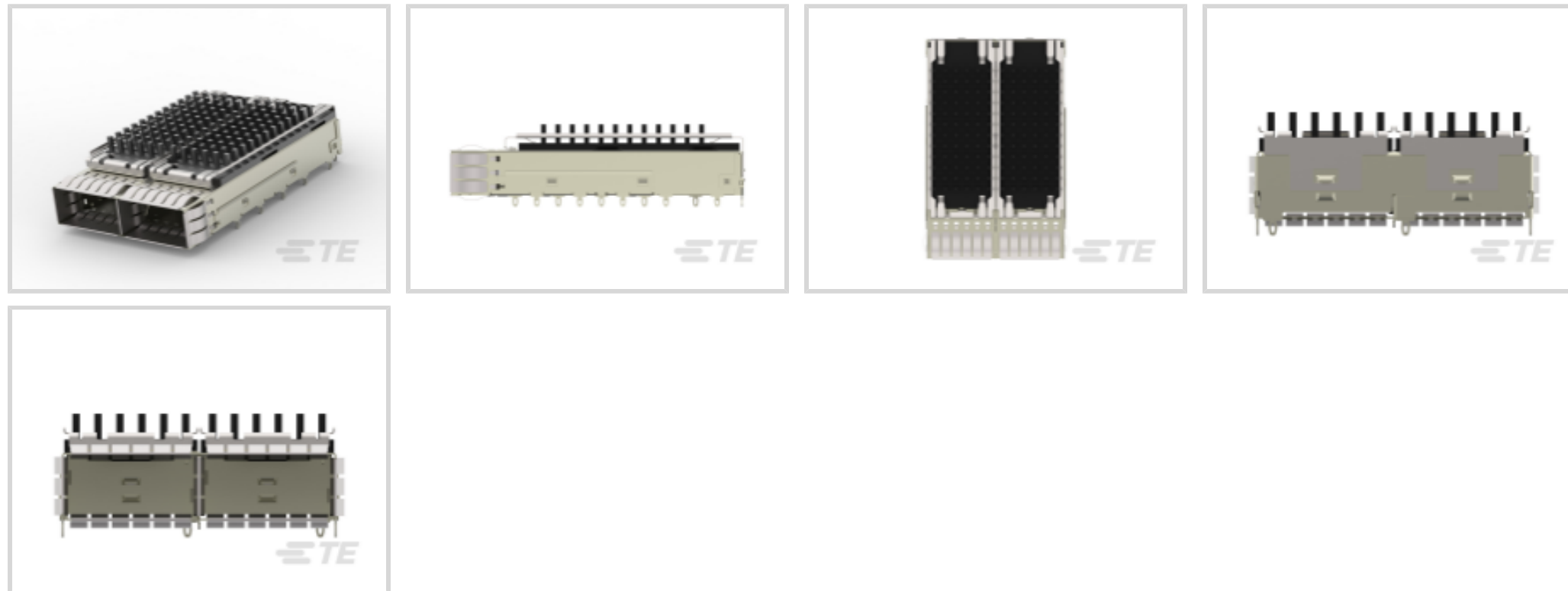
TE Internal #: 2170806-5

QSFP28/56, Cage Assembly, Signal, Operating Temperature Range
-40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 2 Ports

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP28/56**

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

Sealable: **No**

Circuit Application: **Signal**

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

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

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

Contact Features

PCB Contact Termination Area Plating Material	Tin
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Housing Features

Cage Material	Nickel Silver
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Body Features

Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
	.256 in



Heat Sink Height Class	SAN
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Packaging Features

Packaging Method	Box & Tray
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Configuration Features

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

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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Circuit Application	Signal
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Product Type Features

Cage Type	Ganged
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Thermal Accessory Type Included	Heat Sink
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Form Factor	QSFP28/56
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Pluggable I/O Product Type	Cage Assembly
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Sealable	No
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Electrical Characteristics

Data Rate (Max)	28 Gb/s
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Usage Conditions

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

Included Lightpipe	No
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EMI Containment Feature Type	Internal/External EMI Springs
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EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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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	
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Current ECHA Candidate List: JUNE 2024 (241)
 Candidate List Declared Against: JUNE 2024 (241)
 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-N49
 QSFP28-Two QSFP28 Cable Assembly: 30 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



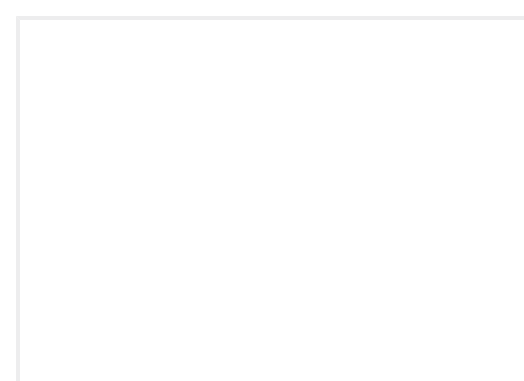
TE Part # CAT-C11-N490325
 QSFP28-Four SFP+ Cable Assembly: 26 AWG



TE Part # 1551920-2
 zQSFP+ connector assembly



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



TE Part # 6-2215048-2
 ASSY, SEATING TL, QSFP28, 1X2



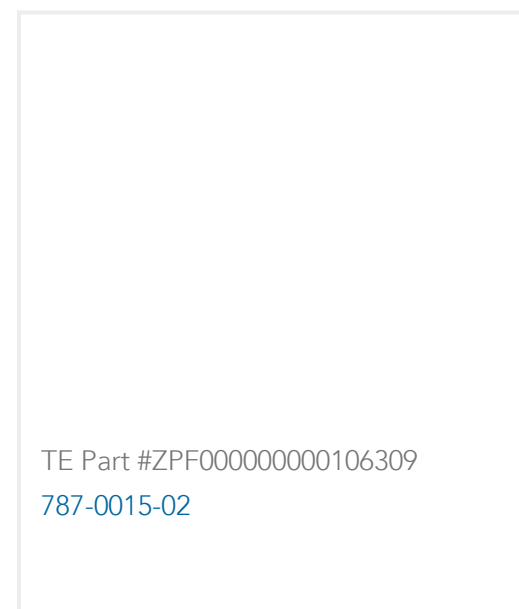
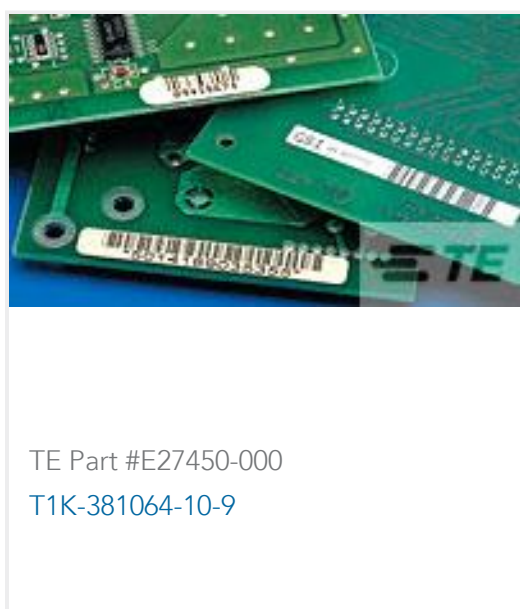
TE Part # CAT-C11-Q17
 QSFP56 to QSFP56 Cable Assembly: 26 AWG

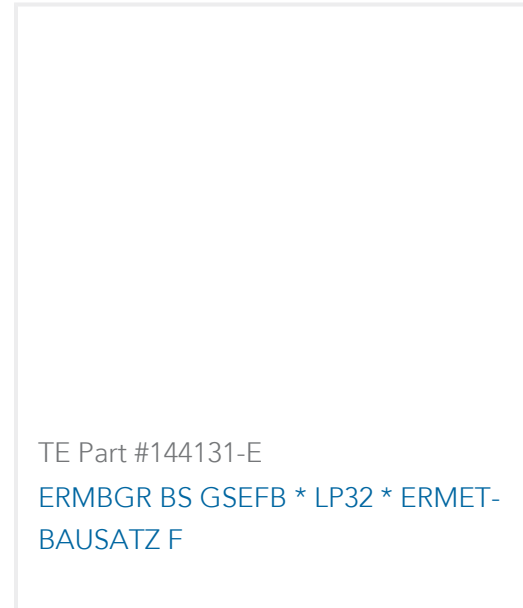


Also in the Series | **zQSFP+/QSFP28**



Customers Also Bought





Documents

CAD Files

[3D PDF](#)

[3D](#)

Customer View Model

[ENG_CVM_CVM_2170806-5_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170806-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2170806-5_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[QSFP28/56 and zQSFP+ Interconnects](#)

English

Product Specifications

[Application Specification](#)

English