

2-2170747-5 ✓ ACTIVE

zQSFP+/QSFP28

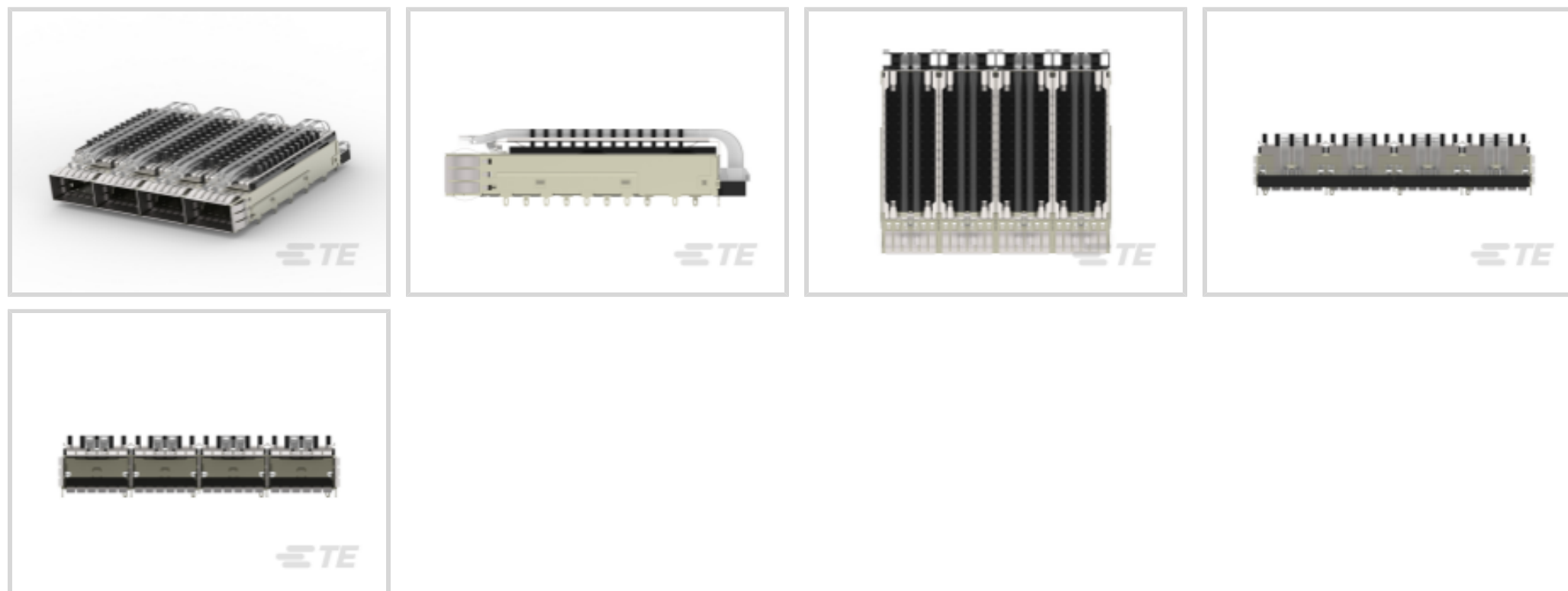
TE Internal #: 2-2170747-5

QSFP28/56, Cage Assembly, Signal, Operating Temperature Range
-40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 4 Ports

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Connectors > Pluggable IO Connectors & Cages



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

Sealable: **No**

Circuit Application: **Signal**

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

Data Rate (Max): **28 Gb/s**

Features

Body Features

	.256 in
Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
Heat Sink Height Class	SAN

Product Type Features

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

Operation/Application

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

Usage Conditions



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

Data Rate (Max)	28 Gb/s
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Configuration Features

Number of Ports	4
Port Matrix Configuration	1 x 4
Number of Rear EONs per Port Column	0

Other

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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

Cage Material	Nickel Silver
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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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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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: JUNE 2024 (241)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

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 # 1888810-2
EMI/Dust Cover,XFP And QSFP



TE Part # 1551920-2
zQSFP+ connector assembly

TE Part # 5-2215048-2
ASSY, SEATING TL, QSFP28, 1X4

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 #5788798-1
15 HTMSFL ASSY RA 318 (IN,BL)



TE Part #5-5179010-3
0.8FH,R13H.5,080,08/Sn,TU



TE Part #8-215079-0
MICRO-MATCH FOB.10P



TE Part #3-794630-4
04P MICRO MNL ASSY VRT HDR LF



TE Part #3-794630-8
08P MICRO MNL ASSY VRT HDR LF



TE Part #3-794630-2
02P MICRO MNL ASSY,VRT,HDR,LF



TE Part #1473565-3
RITS CONN.HDR ASSY 3P



TE Part #3-794618-8
08P MICRO MNL ASSY R/A HDR LF



Documents

Product Drawings

CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2-2170747-5_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2170747-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-2170747-5_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