2170752-1 ✓ ACTIVE

zQSFP+/QSFP28

TE Internal #: 2170752-1

QSFP28/56, Cage, Sealable, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 1 Ports

View on TE.com >

Connectors > Pluggable IO Connectors & Cages

Form Factor: **QSFP28/56**

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

Sealable: **Yes**

Circuit Application: **Signal**

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

Features

Industry Standards

UL Flammability Rating	UL 94V-0

Termination Features

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

Dimensions

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

Contact Features

PCB Contact Termination Area Plating Material	Tin

Housing Features

Cage Material	Nickel Silver

Packaging Features

Packaging Method	Box & Tray

Configuration Features

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

Operation/Application

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Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Heat Sink Compatible	No
Circuit Application	Signal

Product Type Features

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

Electrical Characteristics

Data Rate (Max)	28 Gb/s

Usage Conditions

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

Other

Included Lightpipe	No
EMI Containment Feature Type	Elastomeric Gasket
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Product Compliance

For compliance documentation, visit the product page on TE.com>

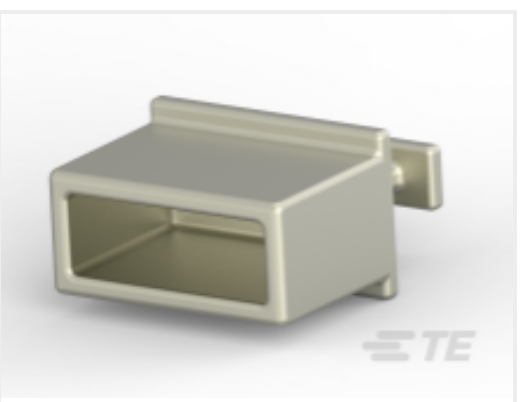|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	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
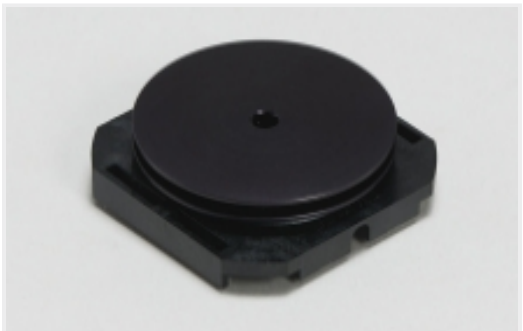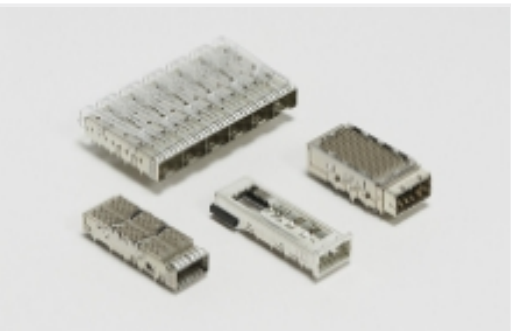
2170752-1

QSFP28/56, Cage, Sealable, Signal, Operating Temperature Range -40 – 85 °C [-40 –
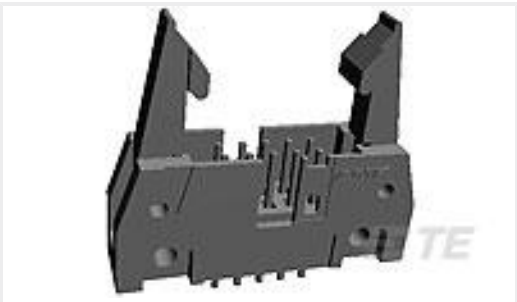185 °F], Data Rate (Max) 28 Gb/s, 1 Ports

Compatible Parts

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-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 # CAT-Q17-N49011

QSFP56-Four SFP56 Cable Assembly:
30 AWG

TE Part # CAT-C11-Z806726

QSFP28 to QSFP28 Cable Assembly:
30 AWG

TE Part # CAT-C11-Q17

QSFP56 to QSFP56 Cable Assembly:
26 AWG

TE Part # 1888810-2

EMI/Dust Cover,XFP And QSFP

TE Part # CAT-Q17-N49033

QSFP56-Two QSFP56 Cable
Assembly: 30 AWG

TE Part # CAT-C11-Z8

QSFP28 to QSFP28 Cable Assembly:
26 AWG

Also in the Series | zQSFP+/QSFP28

Heat Sinks(7)

Pluggable I/O Cable Assemblies(78)

Pluggable IO Connectors & Cages(424)

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QSFP28/56, Cage, Sealable, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F], Data Rate (Max) 28 Gb/s, 1 Ports
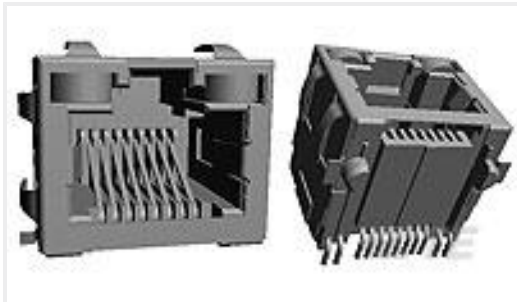
Customers Also Bought

TE Part #5499374-4
A/L UNIV HDR 20P VERT SHT LAT
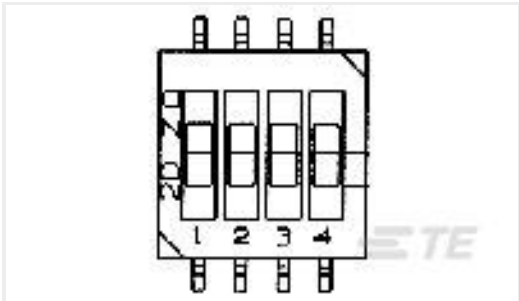
TE Part #414026-3
JACK ASSY,SMB,RT ANG

TE Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD

TE Part #324599
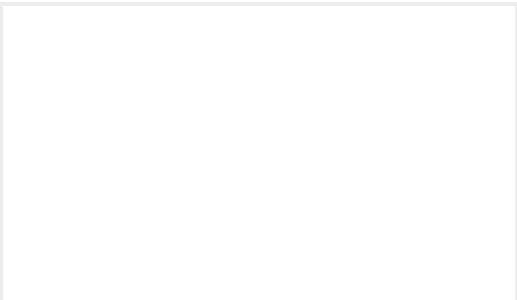TERMINAL,BUDG SPD FLG 26-22 2

TE Part #3-1630024-1
HSC250 330R 5%
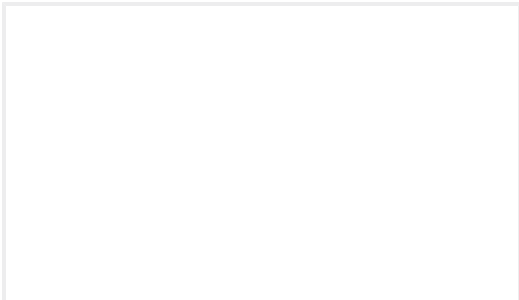
TE Part #1825140-1
MGDH0404=LOW PROFILE DIP SWITCH

TE Part #5748677-5
PLTD PLST CBL CLMP KIT,SZ 5

TE Part #144663-E
MSPEED 50 F SMDTHR F4 * AB VV 137 094 *

TE Part #A63971-000
101A031-3-05-0

TE Part #GA10K3CG1267
CHPC-TAIWAN GOLD CHIP

Documents

CAD Files
3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170752-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170752-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170752-1_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

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Product Specifications
Application Specification

English