4-2170705-5 ✔ ACTIVE

zQSFP+/QSFP28

TE Internal #: 4-2170705-5

QSFP28/56, Cage Assembly, 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 Assembly**

Sealable: **No**

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]

Contact Features

PCB Contact Termination Area Plating Material	Tin

Dimensions

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

Housing Features

Cage Material	Nickel Silver

Body Features

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

Packaging Features

Packaging Method	Box & Tray

Configuration Features

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

Operation/Application

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

Product Type Features

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

Electrical Characteristics

Data Rate (Max)	28 Gb/s

Usage Conditions

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

Other

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs
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	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 # 2829040-6
QSFP IB EDR, 30AWG, 2.0M



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

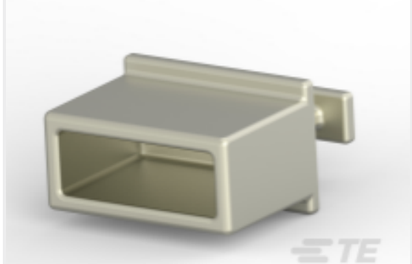


TE Part # CAT-C11-N490325
QSFP28-Four SFP+ Cable Assembly: 26 AWG

TE Part # 2-2215047-5
ASSY, STG TL, QSFP28 LP,1X1



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



TE Part # 1551920-2
zQSFP+ connector assembly



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

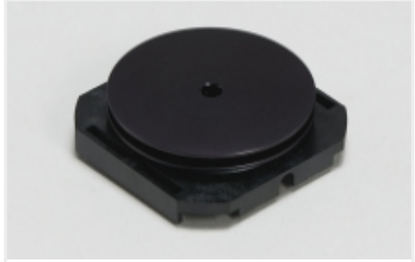


TE Part # CAT-Q17-N49011
QSFP56-Four SFP56 Cable Assembly: 30 AWG



TE Part # CAT-C11-Z806726
QSFP28 to QSFP28 Cable Assembly: 30 AWG

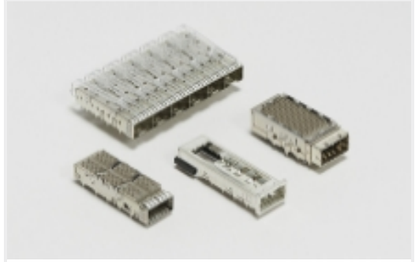
Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable I/O Cable Assemblies(78)



Pluggable IO Connectors & Cages(424)

Customers Also Bought



TE Part #4-1825136-5
A101SYCQ04



TE Part #1-480426-0
04P CMNL CAP HSG F/H NATL



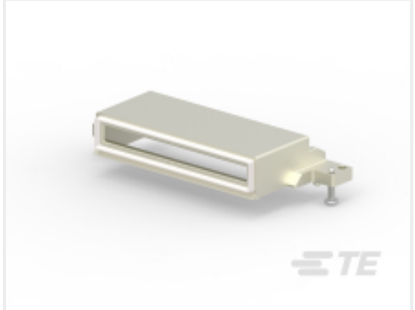
TE Part #1625854-1
1206 PROBE PAD



TE Part #1551920-2
zQSFP+ connector assembly



TE Part #2274845-1
CFP2 RECEPTACLE ASSEMBLY



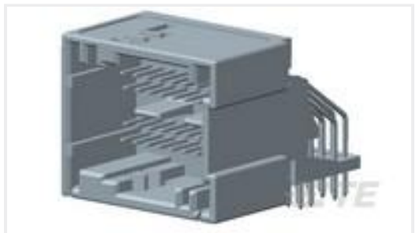
TE Part #2304452-1
RECEPTACLE COVER WITH GASKET, CFP2 1X1



TE Part #2314979-1
HARD WARE KITS WITH HS&LP,CFP2 1X1



TE Part #EH2289-000
DWFR-6/2-0-STK



TE Part #1745060-1
40pos MQS .63 header 90deg



TE Part #2-2170747-3
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-2170705-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_4-2170705-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-2170705-5_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

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English