2227249-2 ✔ ACTIVE

zQSFP+/QSFP28

TE Internal #: 2227249-2

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

View on TE.com >

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]

Electrical Characteristics

Data Rate (Max)	28 Gb/s

Configuration Features

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

Other

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

Contact Features

PCB Contact Termination Area Plating Material	Tin

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

Housing Features

Cage Material	Nickel Silver

Dimensions

PCB Thickness (Recommended)	1.45 mm[.057 in]

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray

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: JAN 2023 (233) 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	Reflow solder capable to 260°C

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

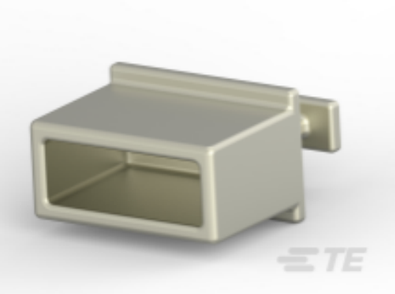
TE Part # CAT-Q17-N490325
QSFP56 to QSFP56 Cable Assembly: 30 AWG

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

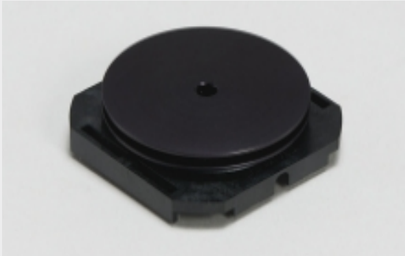
TE Part # CAT-Q17-N490333
QSFP56-Four SFP56 Cable Assembly: 26 AWG



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

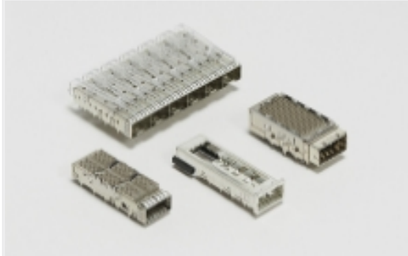
TE Part # 1551920-2
zQSFP+ connector assembly

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 #2309413-1
DDR4 SODIMM 260P 9.2H STD

TE Part #2007198-1
SFP+ 1x1 Cage Assembly, Press-

TE Part #2007464-2
SFP+ 1x1 Cage Assy, PF,with Heatsink

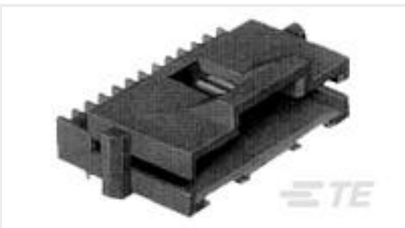
TE Part #1-292303-6
Std USB Type A, R/A, SMT, Offset

TE Part #1551920-2
zQSFP+ connector assembly

TE Part #2-1734742-4
.5 FPC VT ZIF Type-A 24 CONT

TE Part #2-2170808-3
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP

TE Part #5222092-3
JACK,RTANG,PCB,75 OHM,BNC



TE Part #5-104074-7
04 SYSTEM 50 HDR SRRA SHRD SN

TE Part #58430-1
TOOL, REPAIR

Documents

Product Drawings

1x4 Cage Assy Bhnd Bzl QSFP28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227249-2_A_c-2227249-2-a.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227249-2_A_c-2227249-2-a.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227249-2_A_c-2227249-2-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