1551920-2 ✔ ACTIVE

zQSFP+/QSFP28

TE Internal #: 1551920-2

QSFP, QSFP+ & zQSPF+, Connector, Data Rate (Max) 56 Gb/s, Cable-to-Board, 38 Position, .032 in [.8 mm] Centerline, zQSFP+ /QSFP28

View on TE.com >

Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSPF+

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

Data Rate (Max): **56 Gb/s**

Connector System: **Cable-to-Board**

Number of Positions: **38**

Centerline (Pitch): **.8 mm [.032 in]**

Features

Product Type Features

Form Factor	zQSFP+
Pluggable I/O Product Type	Connector
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	38

Electrical Characteristics

Data Rate (Max)	56 Gb/s

Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	.8 mm[.032 in]

Dimensions

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

Usage Conditions

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

Operation/Application

Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Reel, Tape

Product Compliance

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

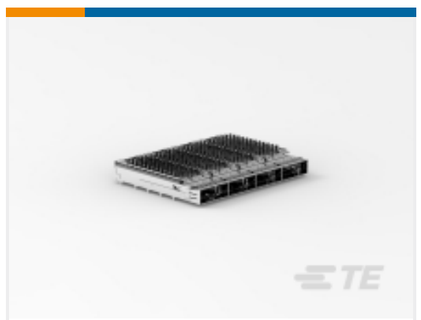
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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

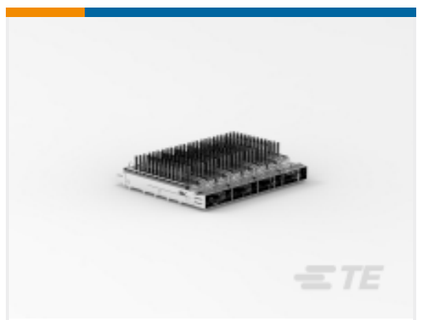
Compatible Parts

TE Part # CAT-Q17-AC229
QSFP Heat Sink Clips



TE Part # 2170745-2
CAGE ASSY, 1X4, QSFP28, SPRING, HS

TE Part # 2170705-7
CAGE ASSY, QSFP28 1X1, SPRING, HS, LP



TE Part # 2170747-6
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP

TE Part # 2170806-5
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

TE Part # 2170752-2
CAGE ASSEMBLY, QSFP28 1X1, GASKET

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

TE Part # 2170704-2
CAGE ASSY, QSFP28 1X1, SPRING, HS

TE Part # 2227103-2
1X2 CAGE ASSY BHND BZL QSFP28

TE Part # 2214593-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X2

TE Part # 2170707-3
CAGE ASSY, 1X6, QSFP28, SPRING, HS

TE Part # 2227103-1
1X2 CAGE ASSY BHND BZL QSFP28

TE Part # 2227670-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X2

TE Part # 2170704-1
CAGE ASSY, QSFP28 1X1, SPRING, HS

TE Part # 2170704-5
CAGE ASSY, QSFP28 1X1, SPRING, HS

TE Part # 1551892-1
Cage Assy Behind Bezel QSFP28

TE Part # 2227104-1
1X2 CAGE ASSY, BHND BEZEL, QSFP28

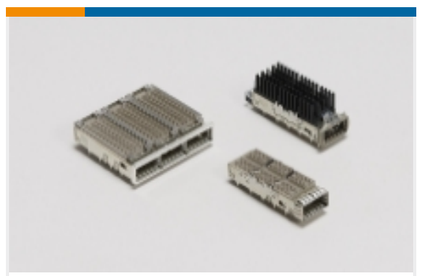
TE Part # 2227671-1
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X3

TE Part # 2227669-2
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1

TE Part # 2170703-7
CAGE ASSEMBLY, QSFP28 1X1, SPRING

Also in the Series | zQSFP+/QSFP28

Pluggable I/O Cable Assemblies(81)



QSFP, QSFP+ & zQSPF+(432)

Customers Also Bought

TE Part #2340321-1
ASSY STRADDLE MOUNT 168P 062 SLIVER 2.0

TE Part #2-6450121-1
MBXL R/A HDR 32S

TE Part #2170567-6
1X4 QSFP KIT ASSY, CUSTOMERIZED HS

TE Part #2170567-7
1X4 QSFP KIT ASSY W/ LP, CUSTOMERIZED HS

TE Part #7-1658013-3
MSB0.80PL5ASY84DP,GP,10,VCTR

TE Part #2344604-2
50 AMP CARD EDGE ASSEMBLY

TE Part #4-1827253-8
.5FHP05H,220,S,GIG,08/Sn,TR,NSYes

TE Part #2110304-8
SFP+ 1X1 CAGE ASSEMBLY, SOLDER TAIL

Documents

Product Drawings

zQSFP+ connector assembly

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1551920-2_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1551920-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1551920-2_D.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

1-1773717-7_PLUGGABLE_IO_QRG_CN

English

1-1773717-8_PLUGGABLEIO_QRG_TCN

English

1-1773717-9_HIGH_SPEED_IO_QRG_JA

English

4-1773455-2 - Quick Reference Guide Pluggable I/O Solutions

English

QSFP28/56 and zQSFP+ Interconnects

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_1551920-2_08022018617_dmtec

English

MD_1551920-2_08022018617_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English