



zQSFP+/QSFP28

TE Internal #: 2227669-1

zQSFP+, Cage Assembly with Integrated Connector, .8mm [.032in]
Centerline, Signal, Operating Temperature Range -40 – 85 °C [-40 – 185 °F]

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages



Form Factor: **zQSFP+**
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **No**
Circuit Application: **Signal**

Features

Product Type Features

Cage Type	Stacked
Form Factor	zQSFP+
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	No

Configuration Features

Number of Rear EONs per Port Column	3
Number of Positions	76
Number of Ports	2
Port Matrix Configuration	2 x 1

Electrical Characteristics

Data Rate (Max)	25 Gb/s
-----------------	---------

Contact Features

Contact Current Rating (Max)	.5 A
Contact Underplating Material	Tin



Contact Mating Area Plating Material	Gold (Au)
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2 mm[.079 in]

Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

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

Usage Conditions

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

Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Box & Tray
------------------	------------

Other

Included Lightpipe	No
EMI Containment Feature Type	Internal/External EMI Springs

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: JAN 2025 (247)




Candidate List Declared Against: JAN 2025
(247)
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

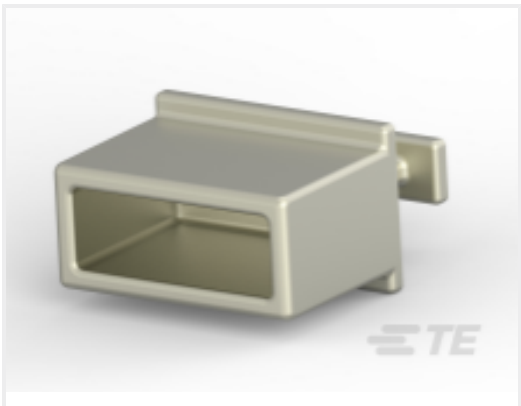
Product Compliance Disclaimer

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 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

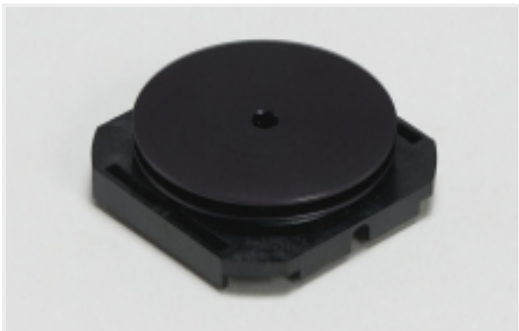


TE Part # 1551920-2
zQSFP+ connector assembly

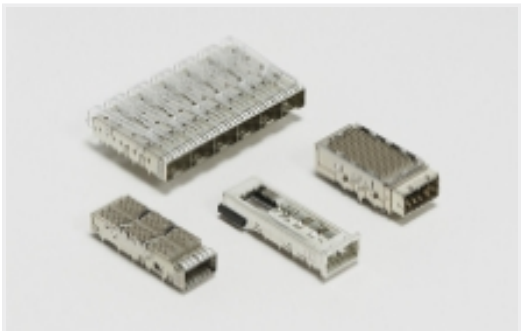


TE Part # 1888810-2
EMI/Dust Cover, XFP And QSFP

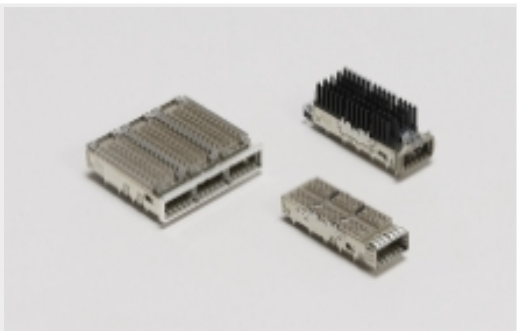
Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable IO Connectors & Cages(424)



QSFP, QSFP+ & zQSPF+(424)

Customers Also Bought



TE Part #1-2324313-0
RCPT CAGE ASSY W/ HS &LP 1X2
QSFP-DD

TE Part #4-2170705-4
CAGE ASSY, QSFP28 1X1, SPRING,
HS, LP

TE Part #2349642-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

TE Part #2349642-3
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

TE Part #2-1926739-5
AssyMinipak HdI25s10pRAREcptSc

TE Part #2401962-1
SFP 1X1 CAGE ASSY, WITH HEATSINK

TE Part #2198325-5
zSFP+ STACKED 2X2 RECEPTACLE
ASSEMBLY

TE Part #2170790-2
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

TE Part #2170790-3
CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

TE Part #2100870-1
C/A, SFP+, 1M 30AWG, JUNIPER

Documents

Product Drawings

zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2227669-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2227669-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2227669-1_B.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