2214565-1 ✓ ACTIVE

zQSFP+/QSFP28

TE Internal #: 2214565-1

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Elastomeric Gasket, Standard, Data Rate (Max) 28 Gb/s, 6 Port, zQSFP+/QSFP28

View on TE.com >

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

Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Port Matrix Configuration: **2 x 3**

EMI Containment Feature Type: **Elastomeric Gasket**

Included Lightpipe: **No**

Enhancements: **Standard**

Features

Product Type Features

Form Factor	zQSFP+
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 3
Number of Ports	6
Number of Rear EONs per Port Column	3
Number of Positions	190

Electrical Characteristics

Data Rate (Max)	28 Gb/s

Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Tin

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PCB Contact Termination Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

Termination Features

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

Mechanical Attachment

Connector Mounting Type	Board Mount

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	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Heat Sink Compatible	No
For Use With Pluggable I/O Products	QSFP Cable Assembly, QSFP MSA Compatible Transceiver
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray

Other

EMI Containment Feature Type	Elastomeric Gasket
Included Lightpipe	No
Enhancements	Standard

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant

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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 2023 (235) Candidate List Declared Against: JUNE 2022 (224) 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
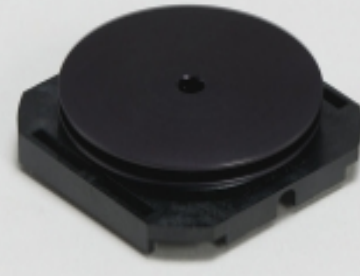
Compatible Parts

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

TE Part # 1551920-2
zQSFP+ connector assembly

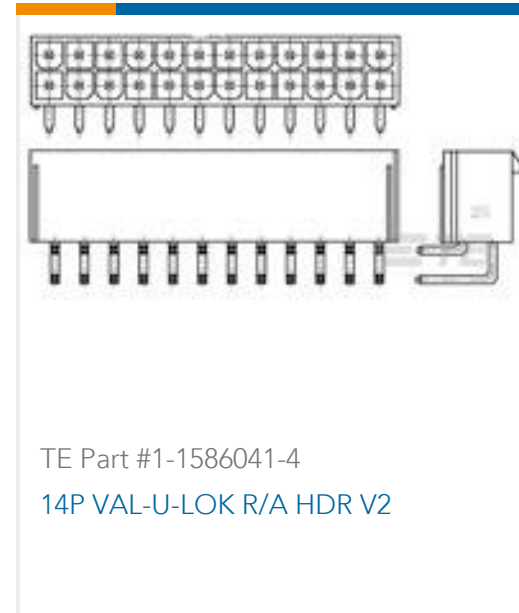## Also in the Series | zQSFP+/QSFP28

Heat Sinks(1)

Pluggable I/O Cable Assemblies(81)

QSFP, QSFP+ & zQSPF+(425)

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Customers Also Bought

TE Part #6-104069-7
100 sys 50 hdr drra shrd sn

TE Part #1-1469492-9
MULTIGIG RT 9MM GUIDE/ESD UNKE

TE Part #1-1586041-4
14P VAL-U-LOK R/A HDR V2

TE Part #1546307-4
4P .374" DR BARRIER,W/WASHER

TE Part #5103308-1
A/L LOW PRO HDR 10P VERT BLACK

TE Part #382811-2
SHUNT, ECON, PHBR15 AU, BLUE

TE Part #382811-6
SHUNT, ECON, PHBR 15 AU,BLACK

TE Part #2302794-1
RAPLUGASSY,CENTERRP0,RTM,VPX, MGRT3

TE Part #5-2176362-6
RQ 0402 150R 0.1% 10PPM 5K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2214565-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2214565-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2214565-1_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

Product Specification

English