2308171-8 ✔ ACTIVE

zQSFP+/QSFP28
TE Internal #: 2308171-8

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 2, Internal/External EMI Springs, Included Lightpipe, Standard, 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 2**

EMI Containment Feature Type: **Internal/External EMI Springs**

Included Lightpipe: **Yes**

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	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	2 x 2
Number of Ports	4
Lightpipe Configuration	Inner Left Indicator Up
Number of Rear EONs per Port Column	0
Number of Positions	152

Contact Features

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

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Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
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 Alloy
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

PCB Thickness (Recommended)	3 mm

Usage Conditions

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

Operation/Application

Heat Sink Compatible	No
For Use With Pluggable I/O Products	QSFP28 Cable Assembly
Pluggable I/O Applications	QSFP28
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Method	Box & Tray

Other

EMI Containment Feature Type	Internal/External EMI Springs
Included Lightpipe	Yes
Enhancements	Standard

Product Compliance

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

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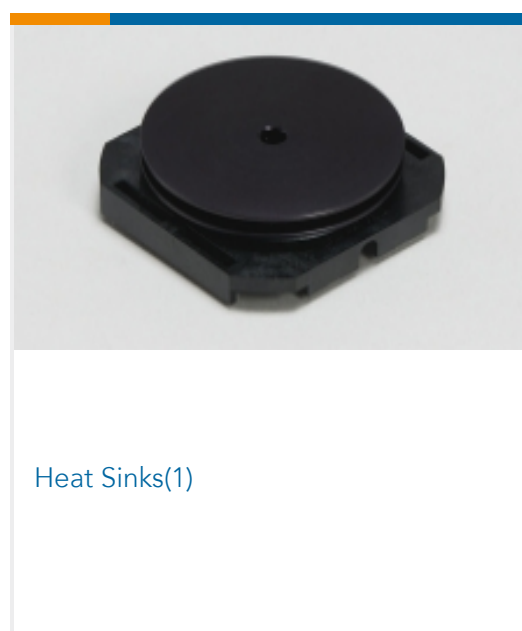|	
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does 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
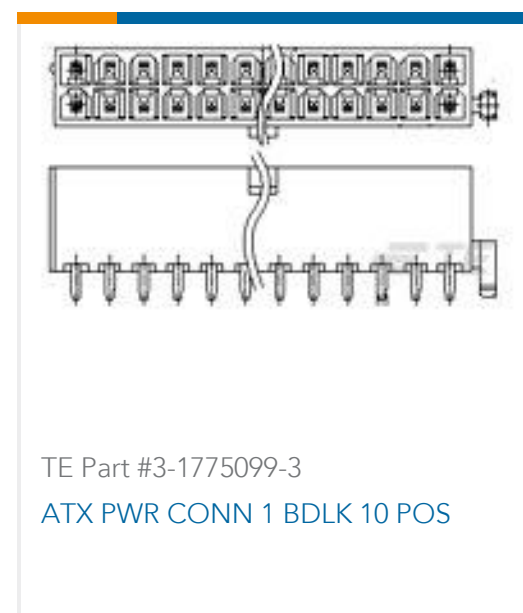
Compatible Parts

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

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 #2170872-1

Z-PACK TYPE/C MALE HDR 55P

TE Part #1934937-1

Tinman 5pr 10col open hdr assy

TE Part #2-1734774-1

PCI EXP 3.1L 98 POS WHT 30u"

TE Part #2007850-1

IMP100S,H,V5P10C,UG,DEW46,4.5

TE Part #2132423-1

IMP100O,R,RA3P6C,RG,39

TE Part #3-1775099-3

ATX PWR CONN 1 BDLK 10 POS

TE Part #5-2170790-4

CAGE ASSY, 1X4, QSFP28, SPRING,
HS, LP

TE Part #6-1658043-2

MSB0.80RC-ASY080FL,GP,F,-TR

TE Part #6450834-1

MBXL R/A HDR STR 1P/8S/1P

TE Part #2-2204910-5

MBXLE R/A HEADER 4HDP + 92S +
4HDP

Documents

CAD Files
3D PDF

3D

Customer View Model

ENG_CVM_CVM_2308171-8_A1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2308171-8_A1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2308171-8_A1.3d_stp.zip

English

Product Specifications
Application Specification

English

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