

2308171-8

✓ ACTIVE

zQSFP+/QSFP28

TE Internal #: 2308171-8

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 I/O 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

Industry Standards

UL Flammability Rating

UL 94V-0

Termination Features

Termination Method to PCB

Through Hole - Press-Fit

Termination Post & Tail Length

2 mm [.079 in]

Dimensions

PCB Thickness (Recommended)

3 mm [.118 in]

Contact Features

Contact Current Rating (Max)

.5 A

Contact Mating Area Plating Material

Gold

PCB Contact Termination Area Plating Material

Tin

Contact Mating Area Plating Material Thickness

30 µm [.76 µin]

Packaging Features

Packaging Method

Box & Tray

Configuration Features

Number of Rear EONs per Port Column	0
Number of Positions	152
Number of Ports	4
Port Matrix Configuration	2 x 2

Operation/Application

Pluggable I/O Applications	QSFP28
Heat Sink Compatible	No
Circuit Application	Signal

Housing Features

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

Product Type Features

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

Usage Conditions

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

Included Lightpipe	Yes
EMI Containment Feature Type	Internal/External EMI Springs
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE

2024 (241)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

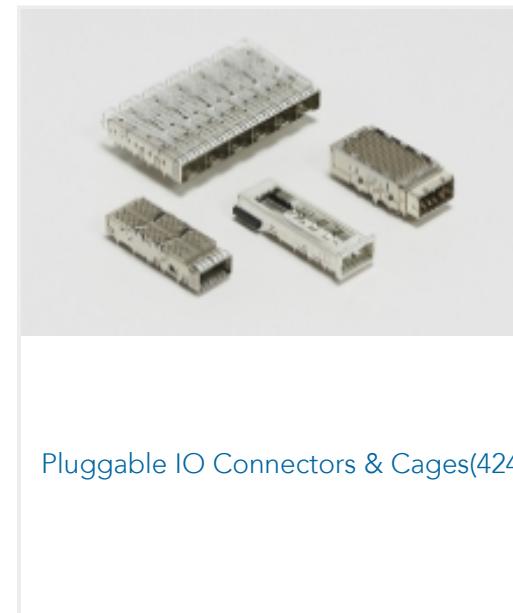
Solder Process Capability

Not applicable for solder process capability

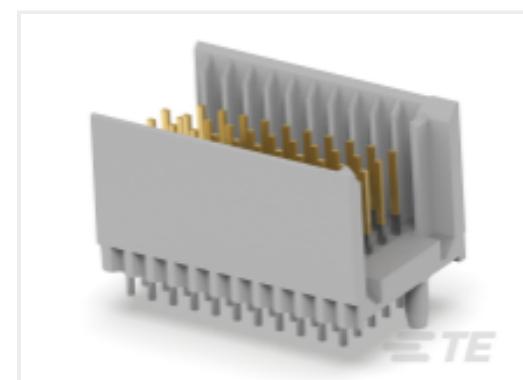
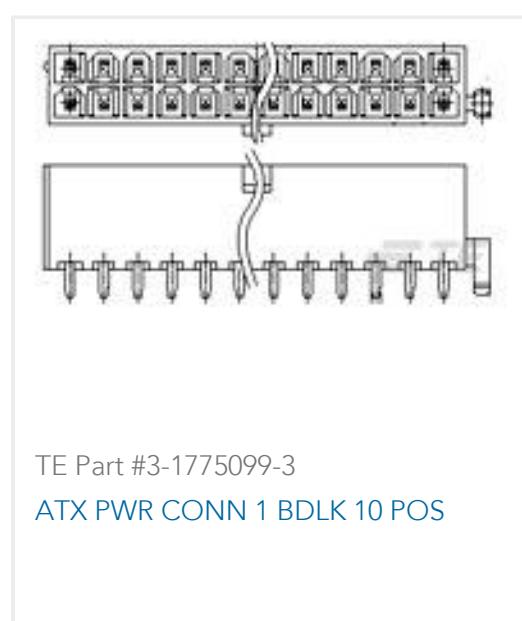
Product Compliance Disclaimer

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

Also in the Series | [zQSFP+/QSFP28](#)

Customers Also Bought

TE Part #2132423-1
IMP100O,R,RA3P6C,RG,39TE Part #2170872-1
Z-PACK TYPE/C MALE HDR 55PTE Part #1934937-1
Tinman 5pr 10col open hdr assyTE Part #2-1734774-1
PCI EXP 3.1L 98 POS WHT 30u"TE Part #3-1775099-3
ATX PWR CONN 1 BDLK 10 POSTE Part #5-2170790-4
CAGE ASSY, 1X4, QSFP28, SPRING, HS, LPTE Part #6-1658043-2
MSB0.80RC-ASY080FL,GP,F,-TRTE Part #6450834-1
MBXL R/A HDR STR 1P/8S/1PTE Part #2-2204910-5
MBXLE R/A HEADER 4HDP + 92S + 4HDPTE Part #2007850-1
IMP100S,H,V5P10C,UG,DEW46,4.5

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

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Product Specifications

Application Specification

English