



zQSFP+/QSFP28

TE Internal #: 2299870-3

zQSFP+, Cage Assembly with Integrated Connector, Signal, Data  
Rate (Max) 25 Gb/s, 38 Position, 4 Ports, Port Matrix Configuration 2  
x 2

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **zQSFP+**  
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**  
Sealable: **No**  
Circuit Application: **Signal**  
Data Rate (Max): **25 Gb/s**

Features

Product Type Features

Cage Type	Stacked
Thermal Accessory Type Included	Heat Sink
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	38
Number of Ports	4
Port Matrix Configuration	2 x 2

Electrical Characteristics

Data Rate (Max)	25 Gb/s
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Body Features

Heat Sink Style	Fin
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Heat Sink Finish	Anodized Black
Heat Sink Height	6.75 mm[.265 in]
Heat Sink Height Class	Custom

Contact Features

Contact Underplating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	30 µm[.76 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
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Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Operation/Application

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

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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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




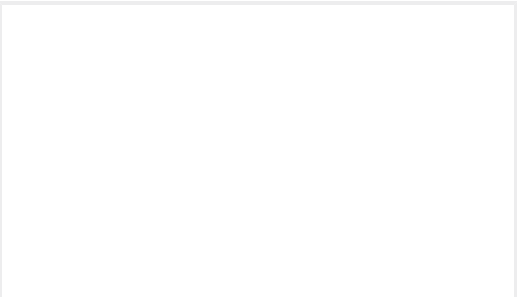





China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

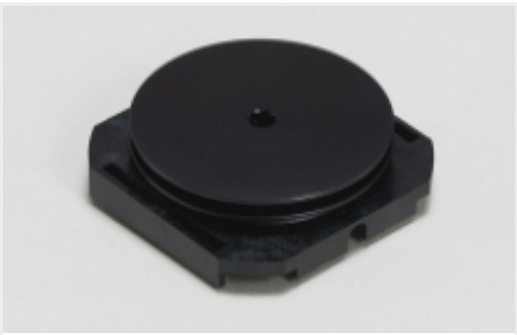
Product Compliance Disclaimer

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>

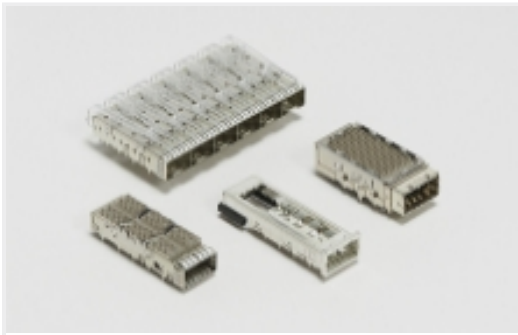
Compatible Parts

 <p>TE Part # 2829040-2 QSFP IB EDR, 33AWG, 1.0M</p>	 <p>TE Part # 2829040-7 QSFP IB EDR, 26AWG, 2.0M</p>	 <p>TE Part # 2829040-8 QSFP IB EDR, 26AWG, 3.0M</p>	 <p>TE Part # 2185270-9 ASSY, SEATING TOOL</p>
 <p>TE Part # 2829040-6 QSFP IB EDR, 30AWG, 2.0M</p>	 <p>TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG</p>	 <p>TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0M</p>	

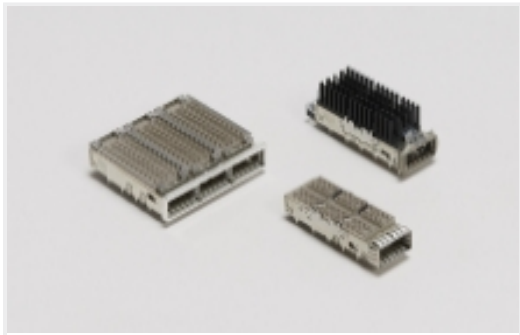
Also in the Series | zQSFP+/QSFP28



Heat Sinks(7)



Pluggable IO Connectors & Cages(424)



QSFP, QSFP+ & zQSPF+(424)

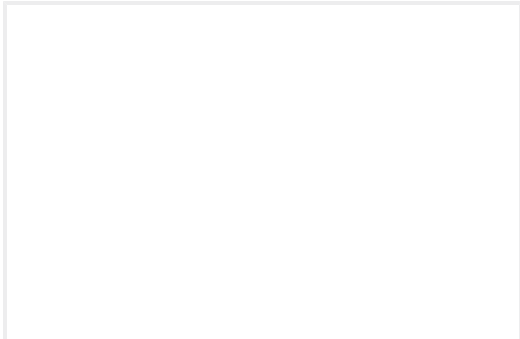
Customers Also Bought



TE Part #2170826-2  
CAGE ASSEMBLY,1X2, QSFP28,  
SPRING, HS, LP



TE Part #CAT-Z8-P650796  
zSFP+ Stacked Cage Assembly: EMI  
Spring



TE Part #1-2299924-3  
ZQSFP+ STACKED REC ASSEMBLY  
2X3, HS



TE Part #1551920-2  
zQSFP+ connector assembly



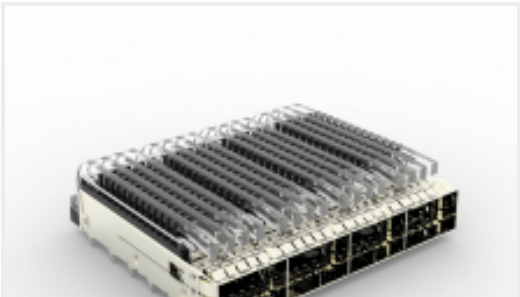
TE Part #2170088-1  
ZSFP+ Connector,30u"



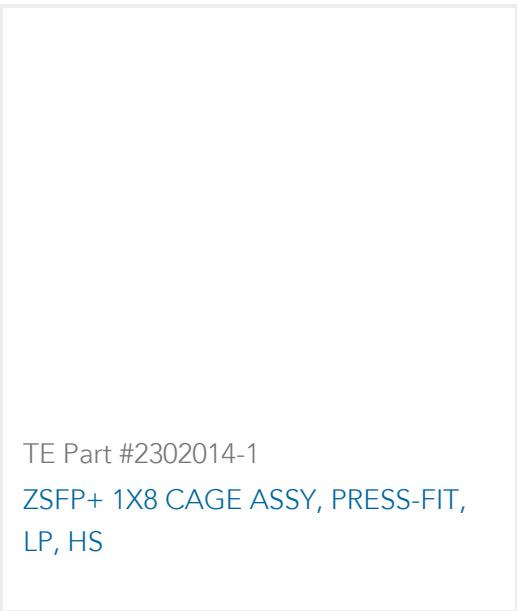
TE Part #2308107-7  
DDR4 DIMM 288 PIN TH TYPE



TE Part #2299940-1  
ZQSFP+ STACKED REC ASSEMBLY  
2X1,4LP HS



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



TE Part #2302014-1  
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT,  
LP, HS

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2299870-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2299870-3\_A.3d\_igs.zip

2299870-3

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38 Position, 4 Ports, Port Matrix Configuration 2 x 2



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2299870-3\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English