

ZQSFP+ STACKED REC ASSEMBLY 2X1,HS

✓ ACTIVE

zQSFP+/QSFP28

TE Part # 2299940-4

TE Internal #: 2299940-4

[View on TE.com >](#)



Connectors > Pluggable IO Connectors & Cages > QSFP/QSFP+/zQSFP+



Form Factor: **zQSFP+**

Product Type: **Cage Assembly with Integrated Connector**

Port Matrix Configuration: **2 x 1**

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

Included Heat Sink: **Yes**

Features

Product Type Features

Form Factor	zQSFP+
Product Type	Cage Assembly with Integrated Connector
Included Heat Sink	Yes
Cage Type	Stacked
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Data Rate (Max)	25 Gb/s
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Body Features



Heat Sink Finish	Anodized Black
Heat Sink Style	Fin

Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	30 μm[.76 μin]
Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold
Contact Current Rating (Max)	.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.0315 in]

Dimensions

Tail Length	2 mm[.079 in]
PCB Thickness (Recommended)	1.58 mm[.063 in]

Usage Conditions

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

Heat Sink Compatible	No
Pluggable I/O Applications	Thermally Enhanced
For Use With Pluggable I/O Products	QSFP28 Cable Assembly, QSFP28 MSA Compatible Transceiver
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

EMI Containment Feature Type	Internal/External EMI Springs
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Included Lightpipe	No
Enhancements	Thermally Enhanced

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	欧洲化学品管理局最新发布的SvHCs候选清单: 2019年1月（197） SvHCs候选清单的声明更新至: 2017年1月（173）
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 TE Part # 2829040-2 QSFP IB EDR, 33AWG, 1.0 M	 TE Part # 2821309-7 QSFP TO [2]QSFP, 28G, 1 METER, 33AWG	 TE Part # 2829040-6 QSFP IB EDR, 30AWG, 2.0 M	 TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0 M
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TE Part # 2299940-4
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TE Part # 2821309-4
QSFP TO [2]QSFP, 28G, 3
METER, 30AWG

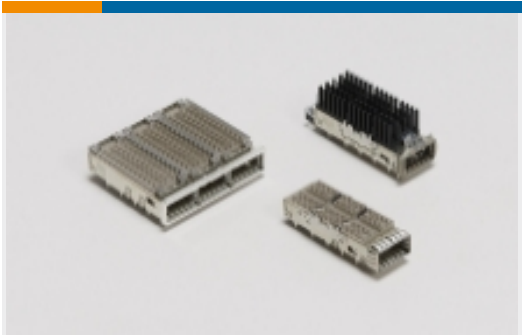


TE Part # 2821309-2
QSFP TO [2]QSFP, 28G, 2
METER, 30AWG

Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable
Assemblies(88)

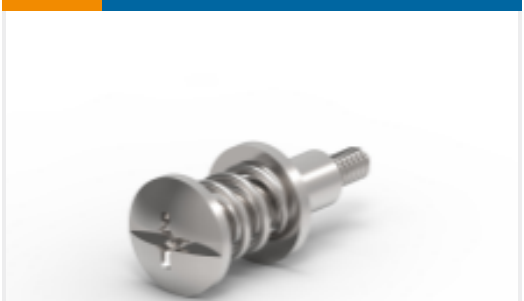


QSFP/QSFP+/zQSFP+(411)

Customers Also Bought



TE Part #2170707-3
CAGE ASSY, 1X6, QSFP28,
SPRING, HS



TE Part #1600914-1
HARDWARE KIT MBXL,
PANEL MOUNT



TE Part #2299940-3
ZQSFP+ STACKED REC
ASSEMBLY 2X1,HS



TE Part #487769-7
009 HOUSING FFC RCPT
100CL SR



TE Part #2-487937-6
026 HOUSING FFC 50CL
DR LATCH



TE Part #2170704-9
CAGE ASSY, QSFP28 1X1,
SPRING, HS



TE Part #487117-9
FFC,RCPT CONTACT,
HIGH PRESSURE



TE Part #6-104186-1
20 SYS 50 HDR SRRA
UNSHRD SN



TE Part #88179-5
020 HOUSING FFC RCPT
DR 100CL



Documents

Product Drawings

ZQSFP+ STACKED REC ASSEMBLY 2X1,HS

English

CAD Files

Customer View Model

ENG_CVM_CVM_2299940-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2299940-4_A.3d_stp.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2299940-4_A.2d_dxf.zip

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English