

zQSFP+/QSFP28

TE Internal #: 2299940-5

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated

Connector, 2 x 1, Internal/External EMI Springs, Included Lightpipe,

zQSFP+/QSFP28

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











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

Port Matrix Configuration: 2 x 1

EMI Containment Feature Type: Internal/External EMI Springs

Thermal Accessory Type Included: Heat Sink

Included Lightpipe: Yes

Features

Product Type Features

Form Factor	zQSFP+
Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Thermal Accessory Type Included	Heat Sink
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
Lightpipe Configuration	Quad Square
Number of Rear EONs per Port Column	3
Number of Positions	76

Electrical Characteristics



Data Rate (Max)	25 Gb/s
Body Features	
Heat Sink Finish	Anodized Black
Heat Sink Style	Fin
Heat Sink Height Class	Custom
Heat Sink Height	6.77 mm[.266 in]
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
Mechanical Attachment	
Connector Mounting Type	Board Mount
Housing Features	
Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]
Dimensions	
PCB Thickness (Recommended)	1.59 mm[.064 in]
Tail Length	2 mm[.079 in]
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, QSFP28 MSA Compatible Transceiver
Pluggable I/O Applications	Thermally Enhanced
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	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	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Not Yet Reviewed
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 # 2829040-2 QSFP IB EDR, 33AWG, 1.0M



TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0M



TE Part # 2829040-6 QSFP IB EDR, 30AWG, 2.0M



TE Part # 2829040-7 QSFP IB EDR, 26AWG, 2.0M



TE Part # 2829040-8 QSFP IB EDR, 26AWG, 3.0M



TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG

Also in the Series | zQSFP+/QSFP28

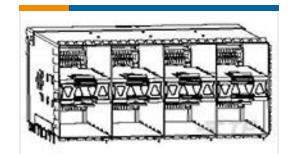


Pluggable I/O Cable Assemblies(81)

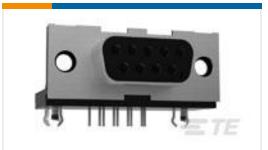


QSFP, QSFP+ & zQSPF+(432)

Customers Also Bought



TE Part #2180324-6 zSFP+ STACKED 2X4 RECEPTACLE **ASSEMBLY**



TE Part #1-106507-2 25P.HDP20 REC.ASSY.



TE Part #3-640621-8 08P MTA100 CONN ASSY F/T NATL





TE Part #5747375-8 37 PLUG SP/FMS INSRT



TE Part #2342933-3 QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS



TE Part #3-640601-6 06P MTA156 CONN ASSY 22AWG LF



TE Part #2318579-2 RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS



TE Part #6489898-1 .050 C/L PCI SMT 60 DUAL, SELE

Documents

Product Drawings

ZQSFP+ STACKED REC ASSEMBLY 2X1,HS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2299940-5_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2299940-5_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2299940-5_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English