

zQSFP+/QSFP28

TE Internal #: 2299940-2

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

Connector, 2 x 1, Internal/External EMI Springs, Thermally

Enhanced, 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: No

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
Connector & Contact Terminates To Configuration Features	Printed Circuit Board
	Printed Circuit Board 2 x 1
Configuration Features	
Configuration Features Port Matrix Configuration	2 x 1

25 Gb/s

Data Rate (Max)

♥ For support call+1 800 522 6752

Electrical Characteristics



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)	1.57 mm[.062 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 94V-0

Packaging Features

UL Flammability Rating



Packaging Method	Box & Tray
Other	
EMI Containment Feature Type	Internal/External EMI Springs
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	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
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





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 #2007263-1 SFP+ 1x2 Cage Assembly



TE Part #1744426-9 Header Housing Assy, EP 2.5 RA, 9 Pos.



TE Part #2180850-7 IMP,PWR,3PR,HDR,L-HLD,2X,797-3,797-6



TE Part #2180850-1 IMP,PWR,3PR,HDR,L-HLD,1X,797-1,N



TE Part #4-644759-2 12P MTA156 HDR ASSY STR LF

TE Part #2170453-1 SFP+ 1x4 Cage Assy, with Heatsink

TE Part #2331511-2 RCPT CONN R/A SMT 76 POSN QSFP-DD

TE Part #2350231-7 SFP28 STACKED 2X1 RECEPTACLE **ASSEMBLY**



TE Part #2180520-4 SW 360, 8x6, 4.5, PdNi Sn

Documents

Product Drawings

ZQSFP+ STACKED REC ASSEMBLY 2X1,HS

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2299940-2_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2299940-2_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2299940-2_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