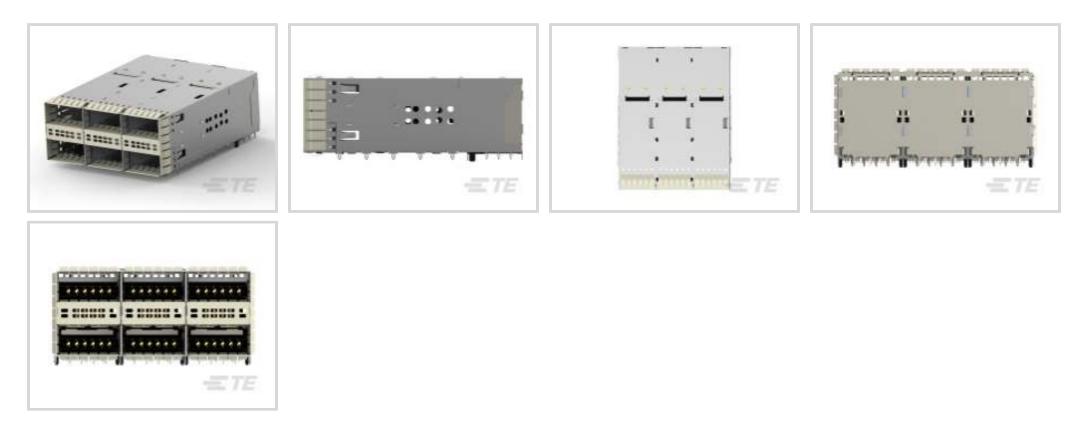
# 2227671-1 - ACTIVE

## zQSFP+/QSFP28

TE Internal #: 2227671-1 QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Internal/External EMI Springs, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28

### View on TE.com >

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



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

Port Matrix Configuration: 2x3

EMI Containment Feature Type: Internal/External EMI Springs

Included Lightpipe: No

Enhancements: Standard

## Features

**Connectivity** 

## Product Type Features

Form Factor	zQSFP+	
Cage Type	Stacked	
Pluggable I/O Product Type	Cage Assembly with Integrated Connector	
Connector System	Cable-to-Board	
Sealable	No	
Connector & Contact Terminates To	Printed Circuit Board	
Configuration Features		
Port Matrix Configuration	2 x 3	
Port Matrix Configuration Number of Ports	2 x 3 6	
Number of Ports	6	
Number of Ports Number of Rear EONs per Port Column	6 3	
Number of Ports Number of Rear EONs per Port Column Number of Positions	6 3	

**C** For support call+1 800 522 6752

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Internal /External EMI Springs, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



Contact Mating Area Plating Material Thickness	.76 μm[30 μin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold
Contact Current Rating (Max)	.5 A
Termination Features	
Termination Post & Tail Length	2 mm[.079 in]
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]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Heat Sink Compatible	No
For Use With Pluggable I/O Products	QSFP Cable Assembly, QSFP MSA Compatible Transceiver
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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	No
Enhancements	Standard

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Internal /External EMI Springs, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



## 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 2023 (235) 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 Canability	Not applicable for solder process capability	

### 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

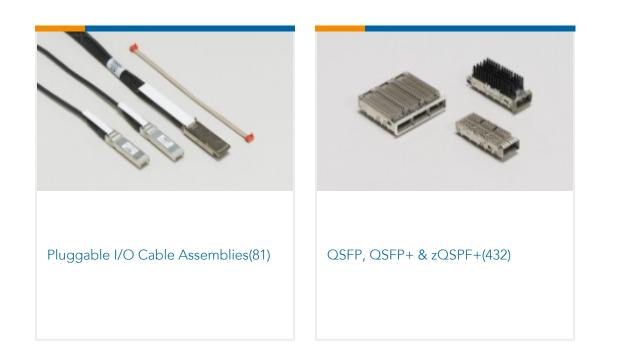
## **Compatible Parts**



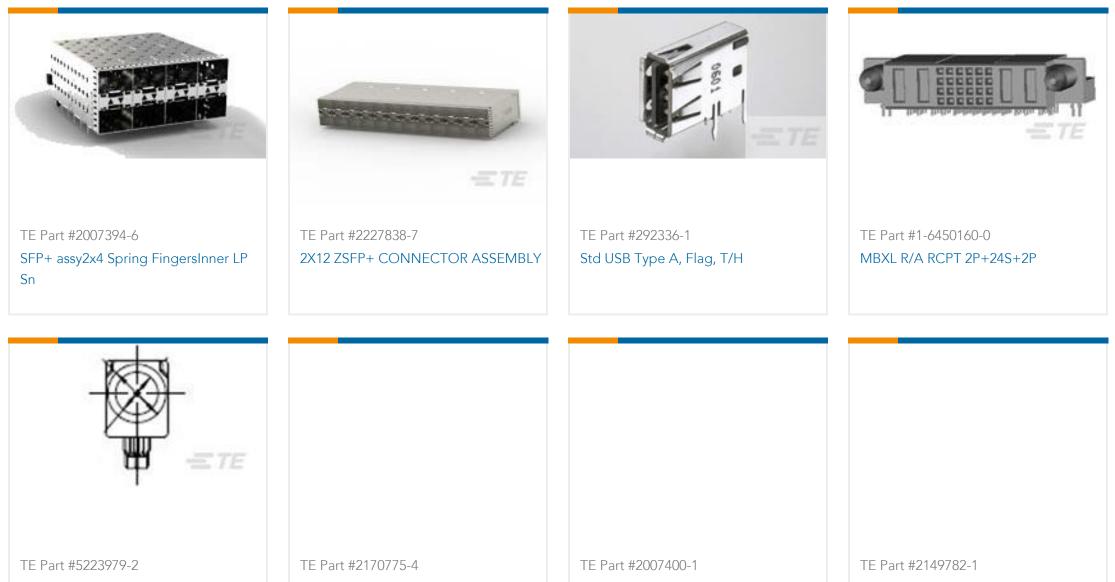
Also in the Series | zQSFP+/QSFP28

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Internal /External EMI Springs, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28





## Customers Also Bought



UPM GUIDE MODULE	CAGE ASSY, 1X4, QSFP28, GASKET, HS, LP	SFP+ 1x2 Cage Assy with Light Pipe	STRADA Whisper Guide Module
TE Part #2302014-1			
ZSFP+ 1X8 CAGE ASSY, PRESS-FIT, LP, HS			

## Documents

**Product Drawings** zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X3

English

## **CAD** Files

## 3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2227671-1\_A.2d\_dxf.zip

QSFP, QSFP+ & zQSPF+, Cage Assembly with Integrated Connector, 2 x 3, Internal /External EMI Springs, Standard, Data Rate (Max) 28 Gb/s, zQSFP+/QSFP28



English

Customer View Model ENG\_CVM\_CVM\_2227671-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2227671-1\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages QSFP28/56 and zQSFP+ Interconnects

English

Product Specifications
Application Specification

English

Product Environmental Compliance TE Material Declaration

English