# 2227103-1 - ACTIVE

### zQSFP+/QSFP28

TE Internal #: 2227103-1 zQSFP+/QSFP28, QSFP/QSFP+/zQSFP+, Cage Assembly, Port Matrix Configuration 1 x 2, Customer Applied Gasket, Standard, Data Rate (Max) 28 Gb/s, 2 Port

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



Pluggable I/O Product Type: Cage Assembly Port Matrix Configuration: 1 x 2 EMI Containment Feature Type: Customer Applied Gasket Thermal Accessory Type Included: Heat Sink Included Lightpipe: No

## Features

### **Product Type Features**

Form Factor	QSFP28/56
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
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	1 x 2
Number of Ports	2
Lightpipe Configuration	Single Round
Number of Rear EONs per Port Column	1
Electrical Characteristics	
Data Rate (Max)	28 Gb/s
Body Features	
Heat Sink Finish	Anodized Black
Heat Sink Style	Pin

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Heat Sink Height Class	PCI
Heat Sink Height	4.2 mm[.165 in]
Contact Features	
PCB Contact Termination Area Plating Material	Tin
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
Dimensions	
Tail Length	2.2 mm[.086 in]
PCB Thickness (Recommended)	1.45 mm[.057 in]
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F][-40 – 185 °F]
Operation/Application	
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	Customer Applied Gasket
Included Lightpipe	No
Enhancements	Standard

## Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU

Compliant

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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 2021 (211) Candidate List Declared Against: JUL 2017 (174) 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	Reflow solder capable to 260°C

#### Product Compliance Disclaimer

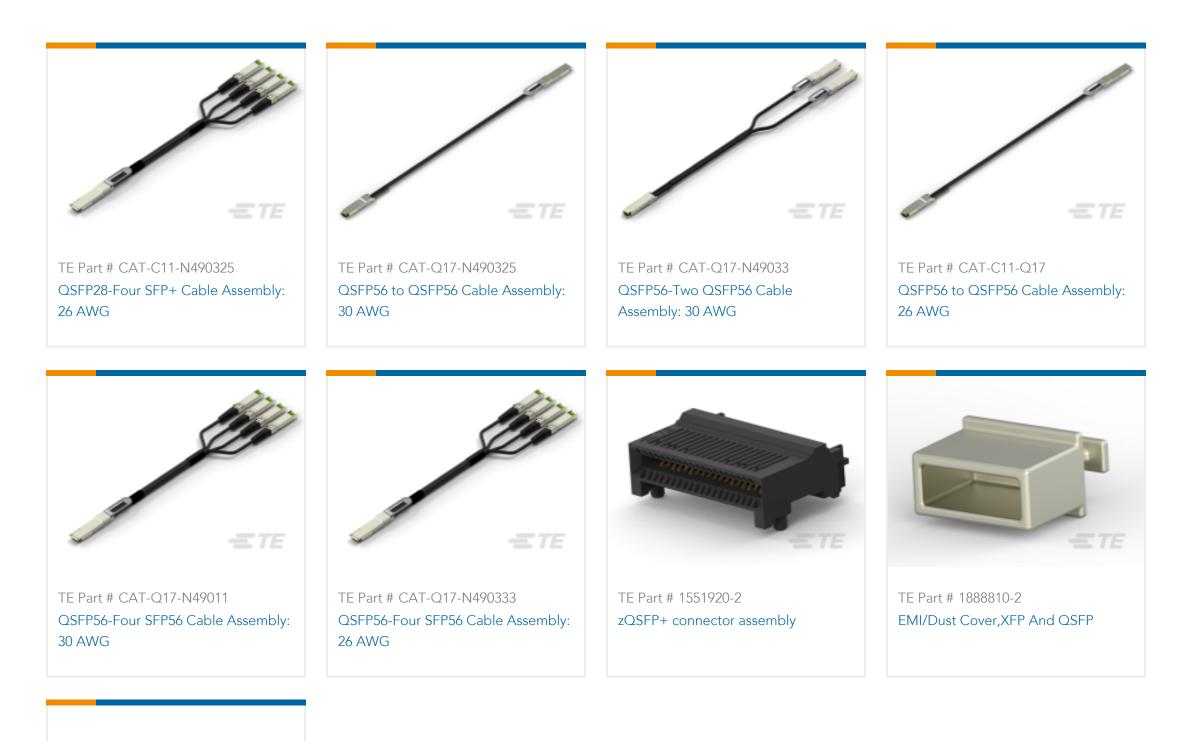
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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**



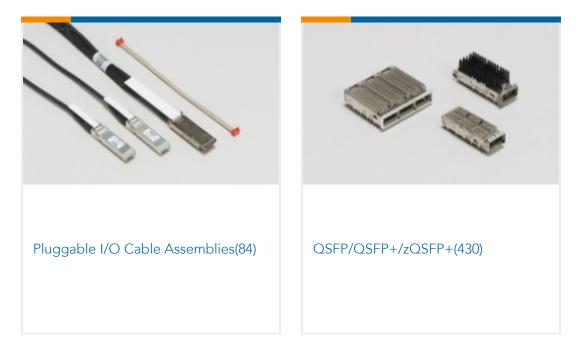
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## Also in the Series | zQSFP+/QSFP28

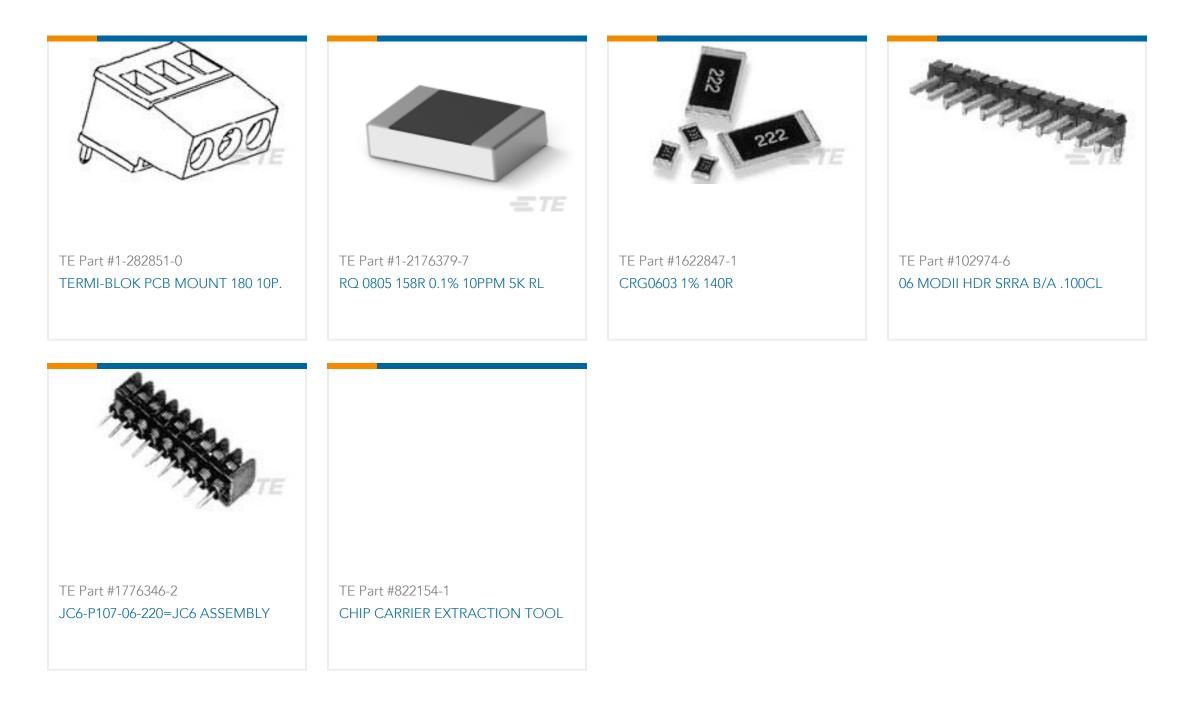


## **Customers Also Bought**



zQSFP+/QSFP28, QSFP/QSFP+/zQSFP+, Cage Assembly, Port Matrix Configuration 1 x 2, Customer Applied Gasket, Standard, Data Rate (Max) 28 Gb/s, 2 Port





## Documents

Product Drawings 1X2 CAGE ASSY BHND BZL QSFP28

English

CAD Files

3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_2227103-1\_B.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2227103-1\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2227103-1\_B.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