



Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP28/56**
Pluggable I/O Product Type: **Cage Assembly**
Sealable: **No**
Circuit Application: **Signal**
Operating Temperature Range: **-55 – 105 °C [-67 – 221 °F]**

Features

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm[.081 in]

Dimensions

PCB Thickness (Recommended)	1.45 mm[.057 in]
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Contact Features

PCB Contact Termination Area Plating Material	Tin
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Housing Features

Cage Material	Nickel Silver
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Body Features

Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
Heat Sink Height	6.5 mm[.256 in]



Heat Sink Height Class	SAN
Packaging Features	
Packaging Method	Box & Tray
Configuration Features	
Number of Rear EONs per Port Column	2
Number of Ports	1
Port Matrix Configuration	1 x 1
Operation/Application	
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Circuit Application	Signal
Product Type Features	
Cage Type	Single
Thermal Accessory Type Included	Heat Sink
Form Factor	QSFP28/56
Pluggable I/O Product Type	Cage Assembly
Sealable	No
Electrical Characteristics	
Data Rate (Max)	25 Gb/s
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Other	
Included Lightpipe	No
EMI Containment Feature Type	Customer Applied Gasket
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
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 2024 (241)
Candidate List Declared Against: JUNE 2024 (241)
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 Capability	Not applicable for solder process capability

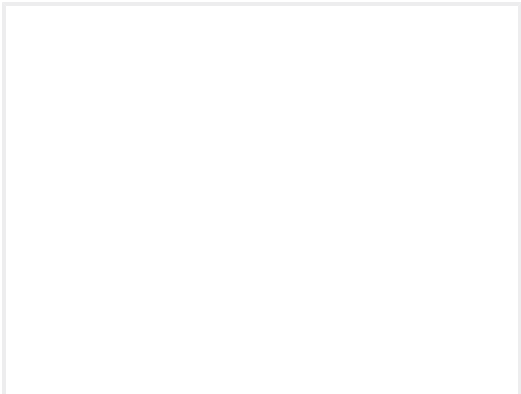
Product Compliance Disclaimer

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>

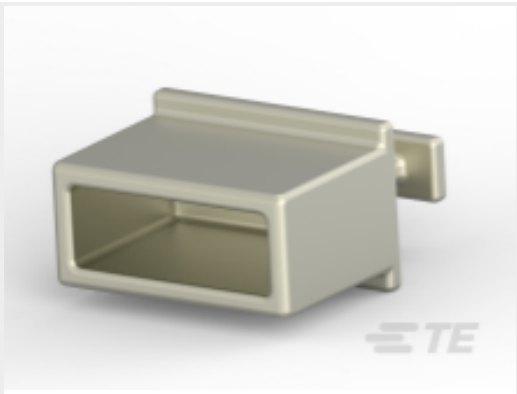
Compatible Parts



TE Part # 1551920-2
zQSFP+ connector assembly



TE Part # 2185265-5
ASSY, SEATING TOOL KIT

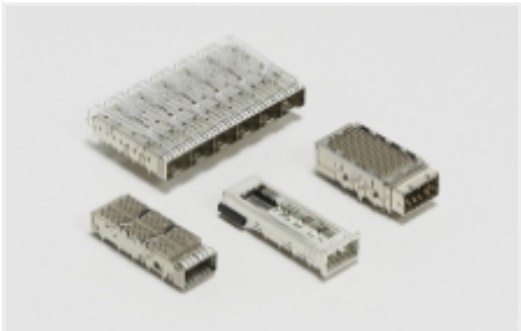


TE Part # 1888810-2
EMI/Dust Cover,XFP And QSFP

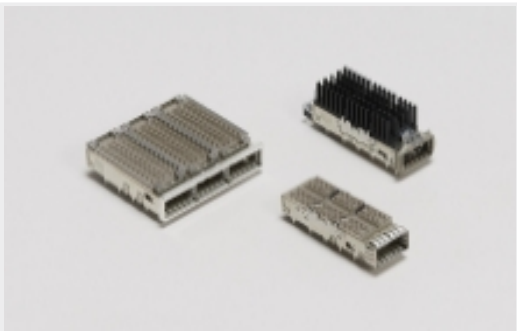
Also in the Series | zQSFP+/QSFP28



Pluggable I/O Cable Assemblies(78)



Pluggable IO Connectors & Cages(424)



QSFP, QSFP+ & zQSPF+(424)

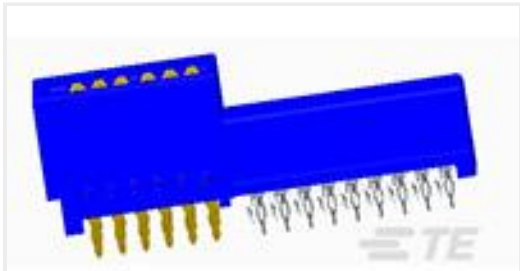
Customers Also Bought



TE Part #5787617-1
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part #5569381-1
STK MJ ASSY, 8POS, 2X1, SHLD, CAT5



TE Part #2204061-2
CONNECTOR ASSEMBLY, SEC II POW



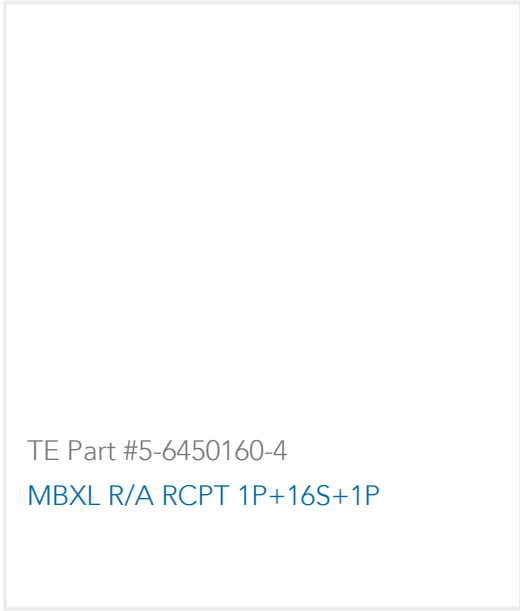
TE Part #5406721-4
MJ, RJ45, SMT, BLACK, 13" REEL



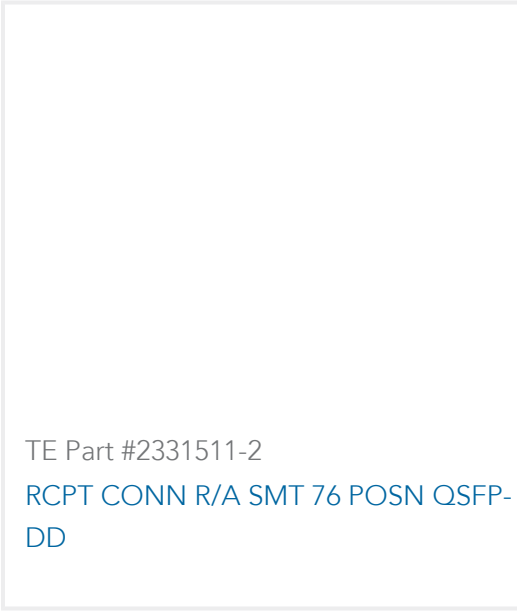
TE Part #2358986-1
SFP+ 1x1 Cage Assembly, Thermal Bridge



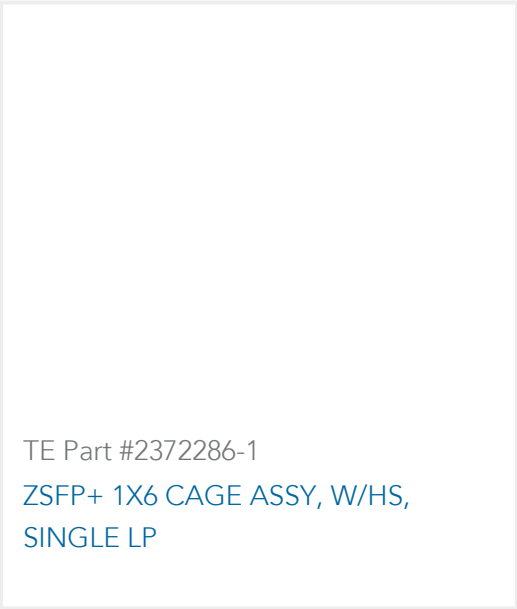
TE Part #6450361-1
MBXL R/A RCPT 24S+6P



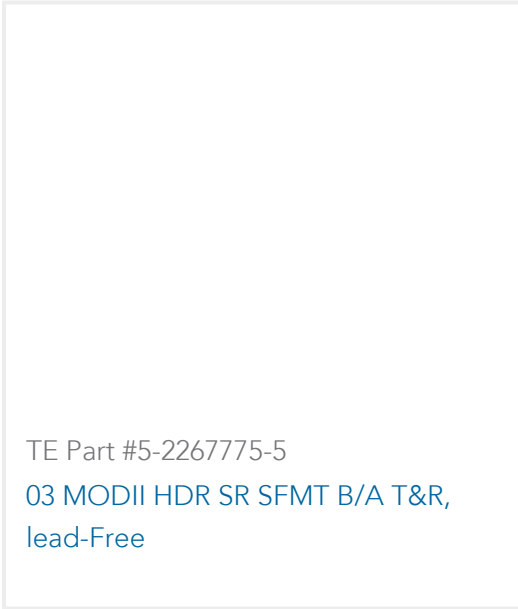
TE Part #5-6450160-4
MBXL R/A RCPT 1P+16S+1P



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



TE Part #2372286-1
ZSFP+ 1X6 CAGE ASSY, W/HS, SINGLE LP



TE Part #5-2267775-5
03 MODII HDR SR SFMT B/A T&R, lead-Free

Documents

Product Drawings

Cage Assy Behind Bezel QSFP28

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1551892-2_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1551892-2_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1551892-2_C.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

Application Specification

English