

2170288-1 ✓ ACTIVE

QSFP/QSFP+

TE Internal #: 2170288-1

QSFP, QSFP+ & zQSFP+, Cage, 1 x 4, Elastomeric Gasket,  
Standard, 4 Port, 2 Rear EONs per Port Column, Cable-to-Board,  
Sealable, QSFP/QSFP+

[View on TE.com >](#)



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



Pluggable I/O Product Type: **Cage**

Port Matrix Configuration: **1 x 4**

EMI Containment Feature Type: **Elastomeric Gasket**

Included Lightpipe: **No**

Enhancements: **Standard**

## Features

### Product Type Features

Form Factor	QSFP+
Cage Type	Ganged
Pluggable I/O Product Type	Cage
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Port Matrix Configuration	1 x 4
Number of Ports	4
Number of Rear EONs per Port Column	2

### Contact Features

PCB Contact Termination Area Plating Material	Tin
---	-----

### Termination Features

Termination Post & Tail Length	2.2 mm[.086 in]
Termination Method to Printed Circuit Board	Through Hole - Press-Fit

### Mechanical Attachment

Connector Mounting Type	Board Mount
-------------------------	-------------



### Housing Features

Cage Material	Nickel Silver
---------------	---------------

### Dimensions

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

### Operation/Application

Heat Sink Compatible	Yes
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	Elastomeric 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
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 2021 (211) 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 # CAT-C11-H501114  
QSFP to QSFP I/O Cable Assembly: 30 AWG



TE Part # CAT-C11-H50111  
QSFP-Four SFP+ I/O Cable Assembly 30 AWG



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



TE Part # CAT-C11-H5011  
QSFP-Four SFP+ I/O Cable Assembly 28 AWG



TE Part # CAT-C11-H5011142  
QSFP to QSFP I/O Cable Assembly: 33 AWG



TE Part # 2053638-4  
C/A, QSFP, 4M, P1-P2, UNEQUALIZED



TE Part # 2202165-4  
QSFP TO QSFP, 26AWG, FDR, 4.0 METER



TE Part # 2202165-5  
QSFP TO QSFP, 26AWG, FDR, 5.0 METER



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

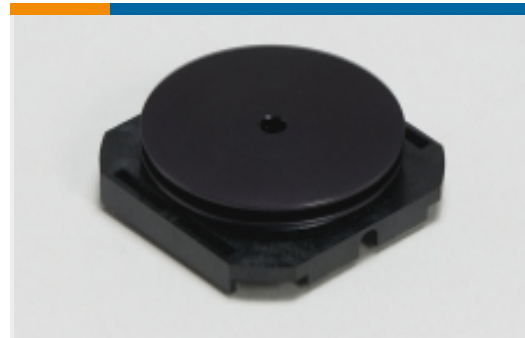


TE Part # 2829040-8  
QSFP IB EDR, 26AWG, 3.0M

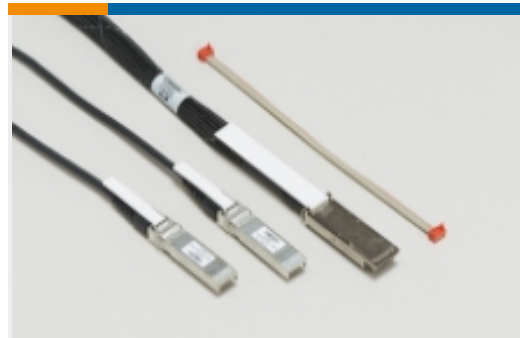


TE Part # 2821033-8  
QSFP TO [4]SFP+, 28G, 1M, 33AWG

## Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(23)



QSFP, QSFP+ & zQSFP+(168)

## Customers Also Bought



TE Part #1888247-1  
20 POS SMT CONN, SFP/SFP+, 30A



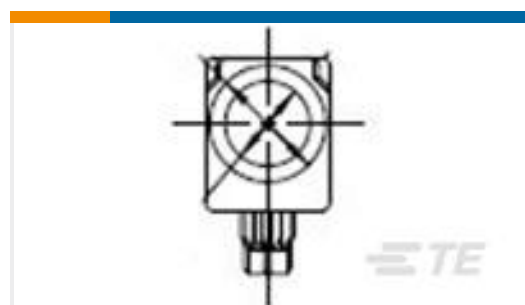
TE Part #2227838-7  
2X12 ZSFP+ CONNECTOR ASSEMBLY



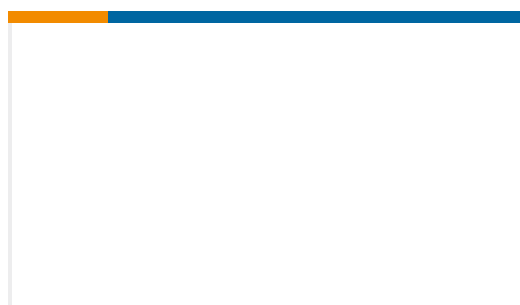
TE Part #2227669-1  
zQSFP+ STACKED RECEPTACLE ASSEMBLY 2X1



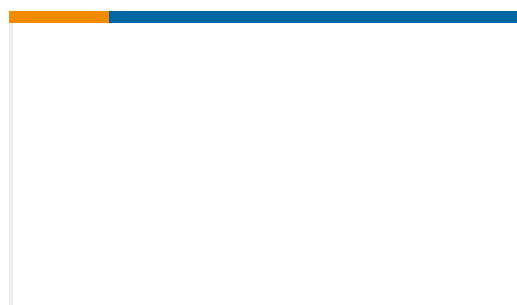
TE Part #2170088-1  
ZSFP+ Connector,30u"



TE Part #5223979-2  
UPM GUIDE MODULE



TE Part #2170775-4  
CAGE ASSY, 1X4, QSFP28, GASKET, HS, LP



TE Part #2007400-1  
SFP+ 1x2 Cage Assy with Light Pipe



TE Part #2143313-2  
IMP100S,H,RA2P16C,LG,OEWS39,4.9



TE Part #2149782-1  
STRADA Whisper Guide Module

## Documents

### Product Drawings

1X4 CAGE ASSEMBLY, THRU BEZEL, QSFP

English

### CAD Files

3D PDF

3D



### Customer View Model

[ENG\\_CVM\\_CVM\\_2170288-1\\_3.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_2170288-1\\_3.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_2170288-1\\_3.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

## Product Specifications

[Product Specification](#)

English

## Product Environmental Compliance

[TE Material Declaration](#)

English