

**QSFP/QSFP+**

TE Internal #: 2170519-1

QSFP, QSFP+ & zQSFP+, Cage, 1 x 1, Internal/External EMI Springs, Standard, 1 Port, Cable-to-Board, Printed Circuit Board, Signal, QSFP/QSFP+

[View on TE.com >](#)

Connectors &gt; Pluggable IO Connectors &amp; Cages &gt; QSFP, QSFP+ &amp; zQSFP+

Pluggable I/O Product Type: **Cage**Port Matrix Configuration: **1 x 1**EMI Containment Feature Type: **Internal/External EMI Springs**Included Lightpipe: **No**Enhancements: **Standard****Features****Product Type Features**

Form Factor	QSFP+
Cage Type	Single
Pluggable I/O Product Type	Cage
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Port Matrix Configuration	1 x 1
Number of Ports	1

**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
-------------------------	-------------

**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	Internal/External EMI Springs
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: JUNE 2023 (235) 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 reviewed 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 # 2110819-1  
QSFP+ Enh EVERCLEAR PT Conn



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

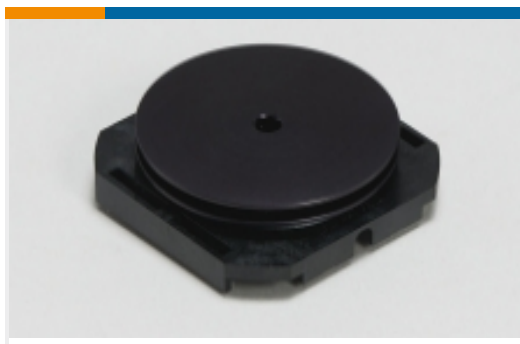


TE Part # 2829040-8  
QSFP IB EDR, 26AWG, 3.0M



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

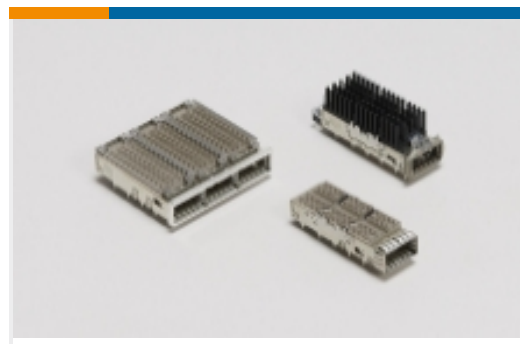
Also in the Series | **QSFP/QSFP+**



Heat Sinks(1)



Pluggable I/O Cable Assemblies(23)



QSFP, QSFP+ & zQSFP+(168)

## Customers Also Bought



TE Part #5747250-3  
09 MSFL PLUG RA 318 (IN,FM)



TE Part #1-5747150-3  
09 RCPT SP/FMS SCRLK



TE Part #414026-2  
JACK ASSY,SMB,RT ANG



TE Part #2301835-1  
AMPL PLUG HD20, VERT, 25P, B/L,4-40 INS



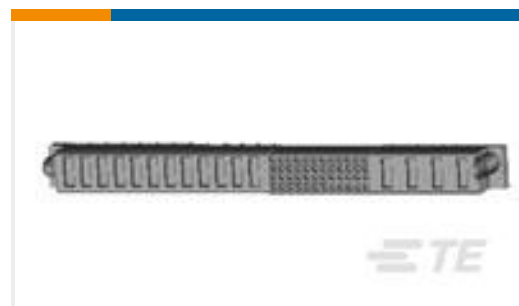
TE Part #2-1879378-9  
TLR 2512 1.0W R0015 1% 50PPM 2K RL



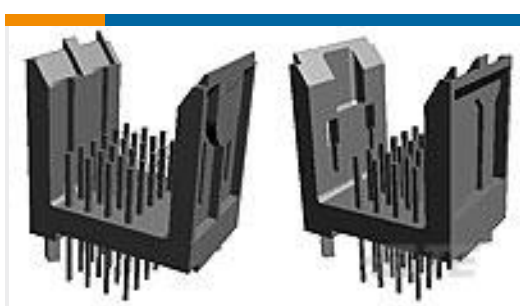
TE Part #1410964-1  
MULTIGIG RT T2 .8" BP FULL CNT



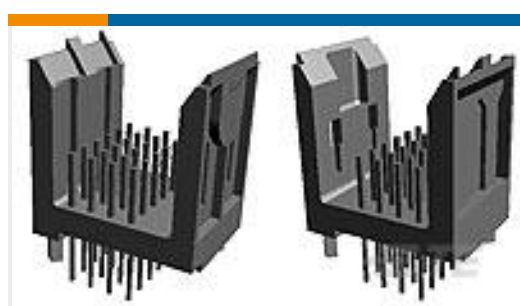
TE Part #5406296-1  
MJ ASSY,S/P,8P,SHLD,RVPGT,CAT5E



TE Part #6450863-5  
MBXLE VERT RCPT 7ACP



TE Part #5536501-3  
2MM FB,ASY,96,SIG,HDR,SL,4.25



TE Part #5536501-2  
2MM FB,ASY,48,SIG,HDR,SL,4.25

## Documents

### Product Drawings

[CAGE ASSEMBLY, THRU BEZEL, QSFP](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2170519-1\\_A.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170519-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2170519-1\\_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

---

**Product Environmental Compliance**

[MD\\_2170519-1\\_05232018533\\_dmtec](#)

English

[MD\\_2170519-1\\_05232018533\\_dmtec](#)

English