

2170395-1 ✓ ACTIVE

QSFP/QSFP+

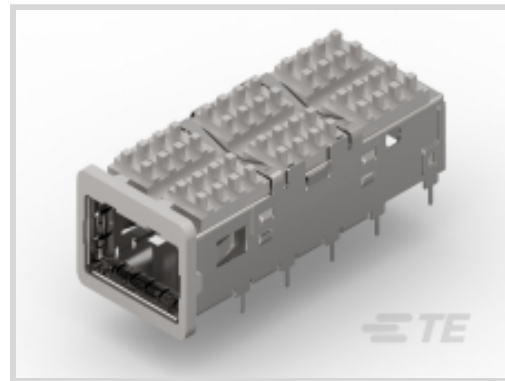
TE Internal #: 2170395-1

QSFP/QSFP+, QSFP/QSFP+/zQSFP+, Cage Assembly, Port Matrix Configuration 1 x 1, Customer Applied Gasket, EMI Enhanced, 1 Port, Pin

[View on TE.com >](#)



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



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

Port Matrix Configuration: **1 x 1**

EMI Containment Feature Type: **Customer Applied Gasket**

Thermal Accessory Type Included: **Heat Sink**

Included Lightpipe: **No**

## Features

### Product Type Features

Form Factor	QSFP+
Cage Type	Single
Pluggable I/O Product Type	Cage Assembly
Thermal Accessory Type Included	Heat Sink
Connector System	Cable-to-Board
Sealable	Yes
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

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

### Body Features

Heat Sink Finish	Anodized Black
Heat Sink Style	Pin
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
-------------------------	-------------

### Dimensions

Tail Length	2.2 mm[.086 in]
-------------	-----------------

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

### Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
-----------------------------	----------------------------

### Operation/Application

For Use With Pluggable I/O Products	QSFP Cable Assembly, QSFP MSA Compatible Transceiver
-------------------------------------	--

Pluggable I/O Applications	EMI Enhanced
----------------------------	--------------

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	EMI Enhanced
--------------	--------------

### 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: JAN 2021 (211) 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

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 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 # 2053638-5  
C/A, QSFP, 5M, P1-P2, UNEQUALIZED



TE Part # 1-2220639-0  
QSFP TO QSFP, ACTIVE, 28AWG, 10M



TE Part # 1-2220639-3  
QSFP TO QSFP, ACTIVE, 28AWG, 13M



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



TE Part # 2821309-4  
QSFP TO [2]QSFP, 28G, 3 METER, 30AWG



TE Part # 2821309-7  
QSFP TO [2]QSFP, 28G, 1 METER, 33AWG



TE Part # 2821309-8  
QSFP TO [2]QSFP, 28G, 3 METER, 28AWG



TE Part # CAT-C11-H501  
QSFP-Four SFP+ I/O Cable Assembly 26 AWG



TE Part # 2821309-3  
QSFP TO [2]QSFP, 28G, 3 METER, 26AWG



TE Part # 2821309-5  
QSFP TO [2]QSFP, 28G, 2 METER, 26AWG



TE Part # 2821309-9  
QSFP TO [2]QSFP, 28G, 5 METER, 26AWG



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

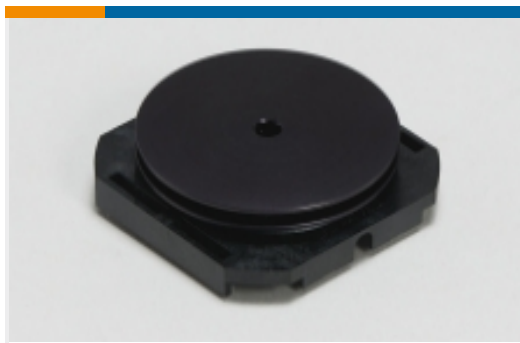


TE Part # 2202165-5  
QSFP TO QSFP, 26AWG, FDR, 5.0 METER



TE Part # 2821309-2  
QSFP TO [2]QSFP, 28G, 2 METER, 30AWG

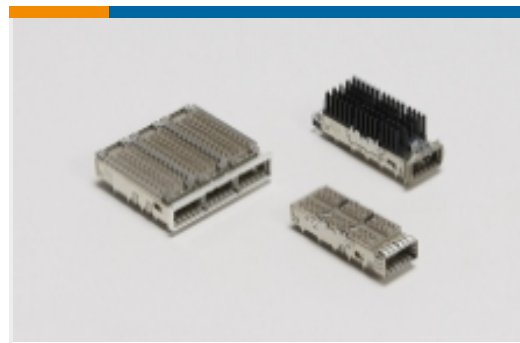
Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(33)



QSFP/QSFP+/zQSFP+(168)

Customers Also Bought



TE Part #1410946-1  
MULTI-GIG SOC. CAP SCREW, CUSTOMIZED HDW



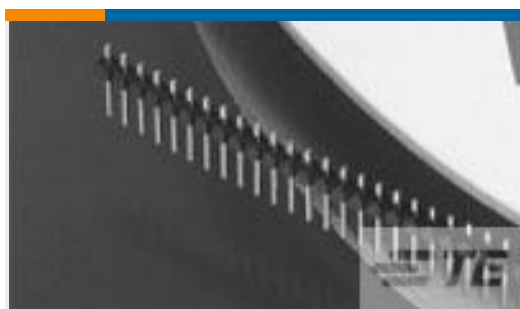
TE Part #1-1614884-4  
CPF 0805 7R5 0.1% 25PPM 1K RL



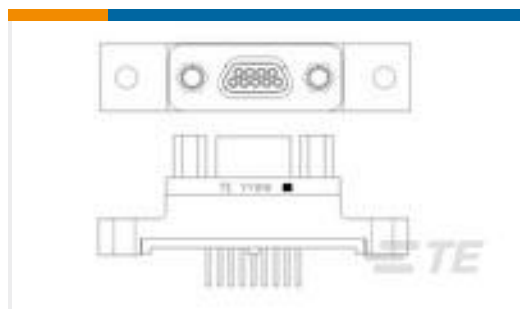
TE Part #1825232-1  
SLIDE SWITCH,SPDT,Right Angle



TE Part #1-2176308-6  
RP 1E 0.1W 191K 0.1% 25PPM 5K RL



TE Part #146851-2  
B/A REELED DRST HDR ASSY, SN



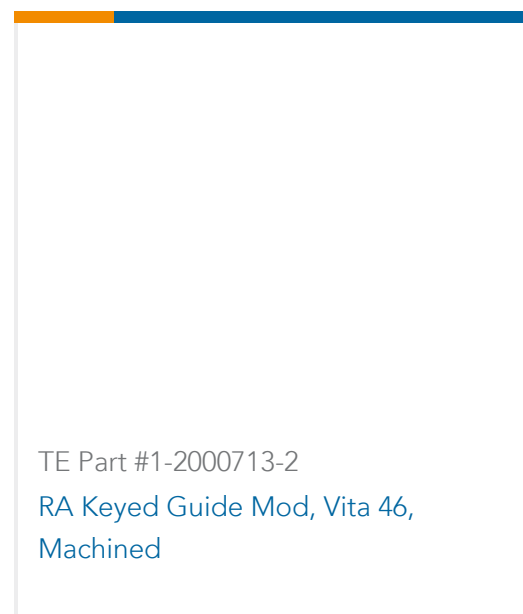
TE Part #1532266-2  
M83513/22-A01CP = MCKS-C2-P-9PST1



TE Part #104350-8  
16 MODII HDR DRST B/A W/HD



TE Part #104477-2  
20 SYSTEM 50 HDR DRRR SHRDR



## Documents

### Product Drawings

#### Cage Assy PCI Hsink QSFP Behind Bezel

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170395-1\\_1.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170395-1\\_1.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2170395-1\\_1.3d\\_stp.zip](#)

English

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

### Product Specifications

#### Application Specification

English