

1X4 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET

✓ ACTIVE

QSFP/QSFP+

TE Part # 2170287-4

TE Internal #: 2170287-4

[View on TE.com >](#)



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



Form Factor: **QSFP+**
Product Type: **Cage Assembly**
Port Matrix Configuration: **1 x 4**
EMI Containment Feature Type: **Elastomeric Gasket**
Included Heat Sink: **Yes**

Features

Product Type Features

Form Factor	QSFP+
Product Type	Cage Assembly
Included Heat Sink	Yes
Cage Type	Ganged
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
Rear EONs per Port Column	2

Electrical Characteristics

Data Rate (Max)	14 Gb/s
-----------------	---------

Body Features

Heat Sink Finish	Anodized Black
Heat Sink Style	Fin
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	-55 – 105 °C[-67 – 221 °F]
-----------------------------	----------------------------

Operation/Application

Pluggable I/O Applications	Standard
For Use With Pluggable I/O Products	QSFP Cable Assembly, QSFP MSA Compatible Transceiver
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	Aktuelle ECHA Kandidatenliste: JAN 2019 (197) Noch nicht geprüft
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not reviewed for solder process capability

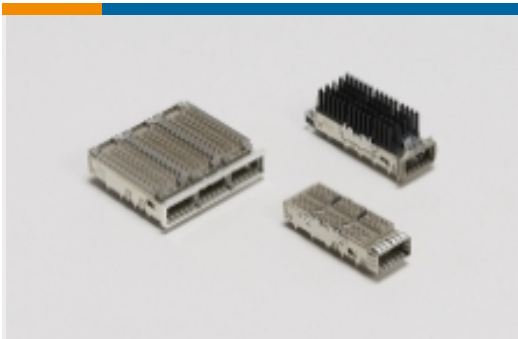
Product Compliance Disclaimer

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 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



Pluggable I/O Cable Assemblies(42)

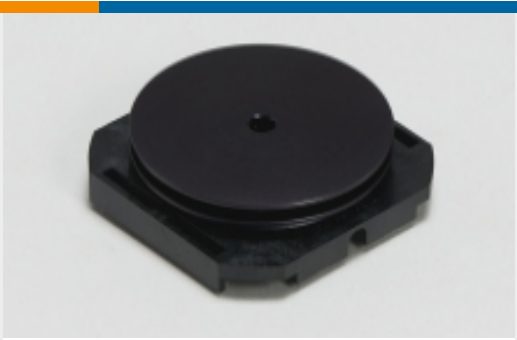


QSFP/QSFP+/zQSFP+(1)



XFP(1)

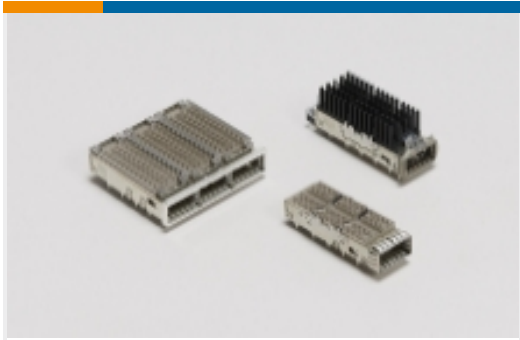
Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(61)



QSFP/QSFP+/zQSFP+(173)

Customers Also Bought

1X4 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET

TE Part # 2170287-4
TE Internal #: 2170287-4



TE Part #1600798-7
STR RCPT ASSY MBXL W
/KEYS 2ACP



TE Part #2170805-5
CAGE ASSEMBLY, 1X2,
QSFP28, SPRING



TE Part #1-1393482-2
V23529S1102B209=SUB D
EP 90



TE Part #2-1879212-0
CPF 0402 33K2 0.1%
25PPM 5K RL



TE Part #7-1879133-6
RN 0603 5K36 0.1% 10PPM
1K RL




TE Part #3-1879212-7
CPF 0402 49K9 0.1%
25PPM 5K RL



TE Part #2170136-1
MODULAR JACK, RJ45,
SHIELD, SMT,



TE Part #4-2170808-5
QSFP28, 1X2, CAGE ASSY,
SPRING, HS, LP



TE Part #6-1445100-4
4P MICRO MNL HDR ASY,
RA,SM,AU



TE Part #646478-7
2MM H.M., "A" SHROUD,
4.9MM

Documents

Product Drawings

1X4 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170287-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170287-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170287-4_A.3d_stp.zip

English