



QSFP/QSFP+

TE Internal #: 2214574-5
QSFP/QSFP+, QSFP/QSFP+/zQSFP+, Cage Assembly with Integrated Connector, Port Matrix Configuration 2 x 2, Elastomeric Gasket, Included Lightpipe

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



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Port Matrix Configuration: **2 x 2**
EMI Containment Feature Type: **Elastomeric Gasket**
Included Lightpipe: **Yes**
Enhancements: **Standard**

Features

Product Type Features

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

Configuration Features

Port Matrix Configuration	2 x 2
Number of Ports	4
Lightpipe Configuration	Outer Left Indicator Down
Number of Rear EONs per Port Column	0
Number of Positions	152

Electrical Characteristics

Data Rate (Max)	14 Gb/s
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Contact Features

Contact Mating Area Plating Material	Gold
Contact Mating Area Plating Thickness	.76 µm[30 µin]



Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
Tail Length	2 mm[.079 in]

Usage Conditions

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

Heat Sink Compatible	No
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
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Packaging Features

Packaging Method	Box & Tray
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Other

EMI Containment Feature Type	Elastomeric Gasket
Included Lightpipe	Yes
Enhancements	Standard

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
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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) Not Yet Reviewed
Halogen Content	Out of Scope - excluded from Halogen requirements
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 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

 <p>TE Part # CAT-C11-H501114 QSFP to QSFP I/O Cable Assembly: 30 AWG</p>	 <p>TE Part # CAT-C11-H50111 QSFP-Four SFP+ I/O Cable Assembly 30 AWG</p>	 <p>TE Part # 2110819-1 QSFP+ Enh EVERCLEAR PT Conn</p>	 <p>TE Part # 1888810-2 EMI/Dust Cover,XFP And QSFP</p>
 <p>TE Part # CAT-C11-H5011 QSFP-Four SFP+ I/O Cable Assembly 28 AWG</p>	 <p>TE Part # CAT-C11-H5011142 QSFP to QSFP I/O Cable Assembly: 33 AWG</p>	 <p>TE Part # 2053638-5 C/A, QSFP, 5M, P1-P2, UNEQUALIZED</p>	 <p>TE Part # 1-2220639-0 QSFP TO QSFP, ACTIVE, 28AWG, 10M</p>



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



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



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



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

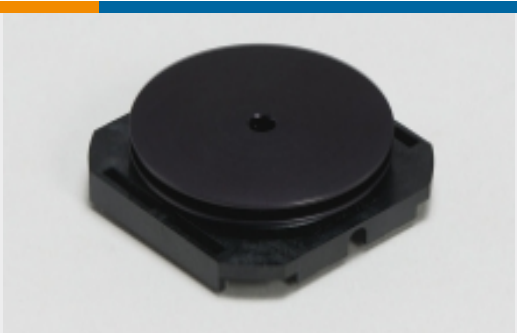


TE Part # 2202165-1
QSFP TO QSFP, 30AWG, FDR, 1.0
METER



TE Part # 2202165-3
QSFP TO QSFP, 28AWG, FDR, 3.0
METER

Also in the Series | QSFP/QSFP+



Heat Sinks(1)

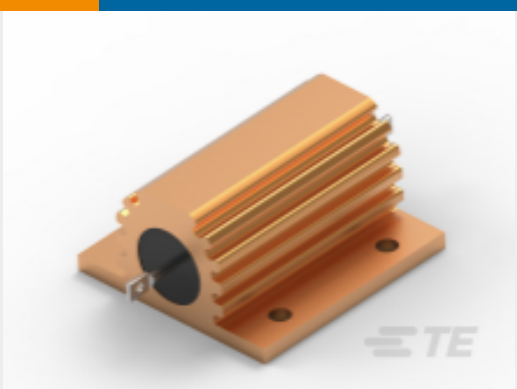


Pluggable I/O Cable Assemblies(33)



QSFP/QSFP+/zQSFP+(168)

Customers Also Bought



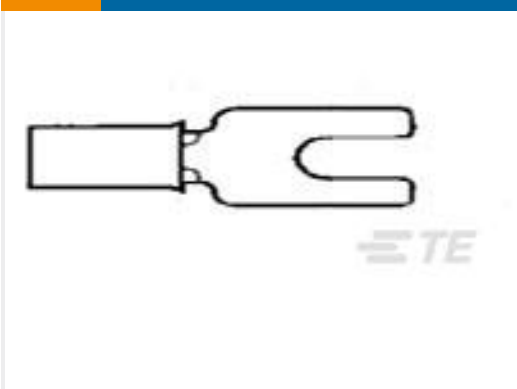
TE Part #8-1625984-4
Power Resistors: Aluminum Housed,
HSA



TE Part #2-1625999-1
Power Resistors: Aluminum Housed,
HSC



TE Part #1879270-4
RP 2A 49R9 0.1% 15PPM CUT LENGTH



TE Part #132528-1
PG 16-14 FCH 3



TE Part #1447360-8
SHIELD FINGER 1312 A TYPE



TE Part #2106003-2
Connector, SMT-IDC, 2 position,
18AWG



TE Part #2106431-2
Connector, SMT-IDC PASS THRU, 2
POS, 18



TE Part #2-2213766-5
AV19 SPL 5A POWER LED RED 12V



TE Part #2057183-3
1x4 QSFP Kit Assy, LP&HS, Networking

Documents

Product Drawings

2X2 QSFP CAGE AND PT CONNECTOR ASSEMBLY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2214574-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2214574-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2214574-5_B.3d_stp.zip

English

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Product Specifications

Application Specification

English

Application Specification

English