



QSFP/QSFP+

TE Internal #: 2085945-3

QSFP+, Cage Assembly with Integrated Connector, .032in [.8mm]

Centerline, Sealable, Signal, Operating Temperature Range -55 - 105 °C [-67 - 221 °F]

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Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

Centerline (Pitch): **.8 mm [.032 in]**

Sealable: **Yes**

Circuit Application: **Signal**

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

Features

Product Type Features

Cage Type	Stacked
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	Yes
Form Factor	QSFP+

Configuration Features

Number of Rear EONs per Port Column	0
Number of Positions	76
Number of Ports	2
Port Matrix Configuration	2 x 1

Electrical Characteristics

Data Rate (Max)	14 Gb/s
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Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold

Termination Features



Termination Post & Tail Length	2.05 mm[.08 in]
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Termination Method to Printed Circuit Board	Through Hole - Press-Fit
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Housing Features

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

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Usage Conditions

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

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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Heat Sink Compatible	No
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Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Box & Tray
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Other

Included Lightpipe	Yes
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EMI Containment Feature Type	Elastomeric Gasket
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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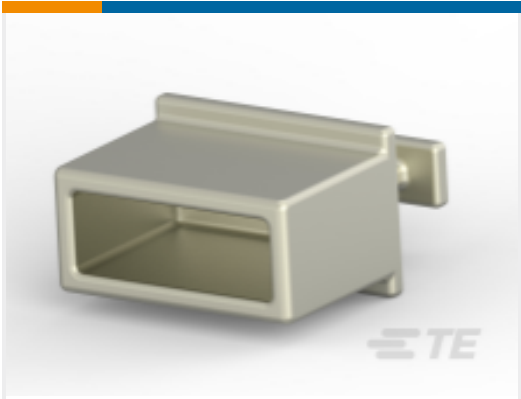
Solder Process Capability	Not applicable for solder process capability
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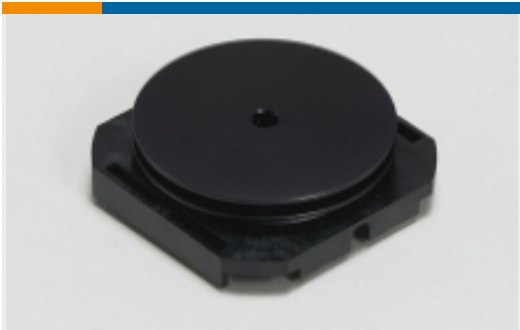
Product Compliance Disclaimer

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

 <p>TE Part # CAT-C11-H50111 QSFP-Four SFP+ I/O Cable Assembly 30 AWG</p>	 <p>TE Part # 1888810-2 EMI/Dust Cover,XFP And QSFP</p>	 <p>TE Part # 2110819-1 QSFP+ Enh EVERCLEAR PT Conn</p>	 <p>TE Part # 1-2053638-6 C/A, QSFP, 0.5M, P1-P2, UNEQUALIZED</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 # 2215001-1 KIT, SEATING TOOL, QSFP+,2X1</p>	 <p>TE Part # 2217070-1 KIT, EXTRACTION TOOL, QSFP+</p>
 <p>TE Part # 2202165-4 QSFP TO QSFP, 26AWG, FDR, 4.0 METER</p>	 <p>TE Part # 2202165-5 QSFP TO QSFP, 26AWG, FDR, 5.0 METER</p>	 <p>TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0M</p>	 <p>TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG</p>

Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Light Pipes(8)



Pluggable I/O Cable Assemblies(19)

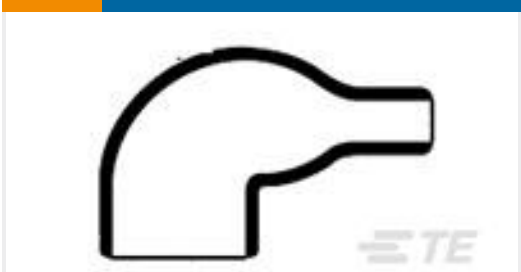


Pluggable IO Connectors & Cages(154)

Customers Also Bought



TE Part # 806698-000
202A142-25-0



TE Part # 806798-000
222A111-25-0



TE Part # 1410189-3
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part # 1676165-2
RN 0805 11K 0.1% 10PPM 1KRL



TE Part # 1676300-2
RN 0805 30K1 0.1% 10PPM 1KRL



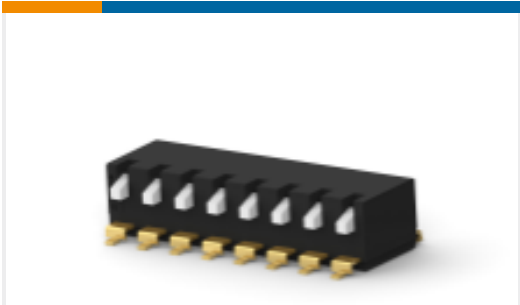
TE Part # 1241050-6
2x6P MOD II BREAK AWAY HDR,SMD, BLISTER



TE Part # 1676216-2
RN 0805 19K1 0.1% 10PPM 1KRL



TE Part # 1676242-2
RN 0805 1K78 0.1% 10PPM 1KRL



TE Part # 4-2319764-4
E STACK PIANO 8P G LONG T&R PD OFF



TE Part # 5070044032
RNF-100-1/8-X-SP

Documents

Product Drawings

QSFP+ Assy, 2x1, Gskt, 4LP-All, Sn EONs

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2085945-3_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2085945-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2085945-3_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English