



QSFP/QSFP+

TE Internal #: 2085945-1

QSFP+, Cage Assembly with Integrated Connector, .8mm [.032in]  
Centerline, Sealable, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP+**  
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**  
Centerline (Pitch): **.8 mm [ .032 in ]**  
Sealable: **Yes**  
Circuit Application: **Signal**

Features

Product Type Features

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

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

Termination Features

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Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm[.08 in]

Housing Features

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

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
Heat Sink Compatible	No
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

Included Lightpipe	Yes
EMI Containment Feature Type	Elastomeric Gasket

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free






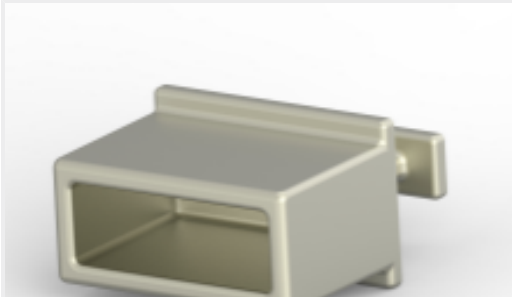




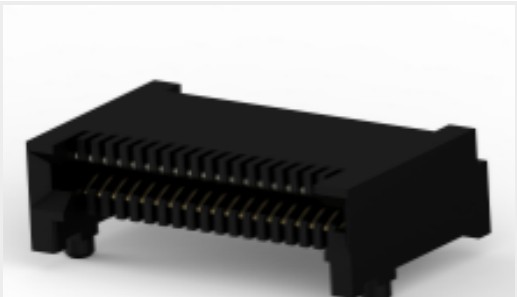


Solder Process Capability

Not applicable for solder process capability

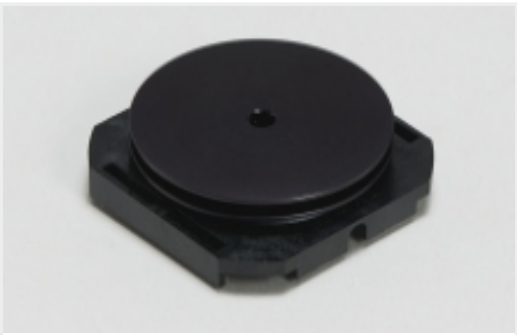
Product Compliance Disclaimer

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 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 # 2202165-5 QSFP TO QSFP, 26AWG, FDR, 5.0 METER</p>	 <p>TE Part # 2202165-4 QSFP TO QSFP, 26AWG, FDR, 4.0 METER</p>	 <p>TE Part # 2053453-5 C/A, QSFP TO 4XSFP+, 4.0M</p>	 <p>TE Part # 1888810-2 EMI/Dust Cover,XFP And QSFP</p>
 <p>TE Part # CAT-C11-H50111 QSFP-Four SFP+ I/O Cable Assembly 30 AWG</p>	 <p>TE Part # 2217070-1 KIT, EXTRACTION TOOL, QSFP+</p>	 <p>TE Part # 2215001-1 KIT, SEATING TOOL, QSFP+,2X1</p>	 <p>TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG</p>
 <p>TE Part # 2110819-1 QSFP+ Enh EVERCLEAR PT Conn</p>	 <p>TE Part # CAT-C11-H5011142 QSFP to QSFP I/O Cable Assembly: 33 AWG</p>	 <p>TE Part # 1-2053638-6 C/A, QSFP, 0.5M, P1-P2, UNEQUALIZED</p>	

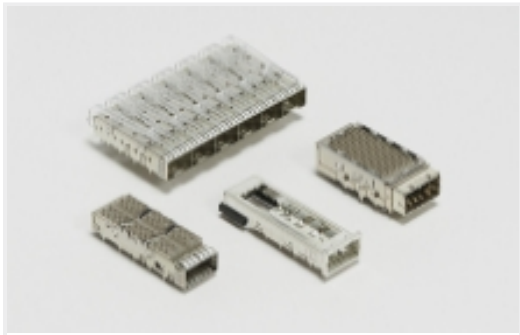
Also in the Series | QSFP/QSFP+



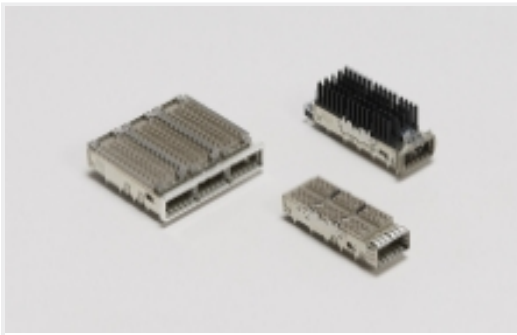
Heat Sinks(1)



Light Pipes(8)



Pluggable IO Connectors & Cages(154)



QSFP, QSFP+ & zQSPF+(154)

Customers Also Bought

TE Part #2-6450831-1  
MBXLE R/A HDR 24S

TE Part #2041549-1  
SOCKET ASSY, DMD 350, T/R, G/F

TE Part #1888247-1  
20 POS SMT CONN, SFP/SFP+, 30A

TE Part #6450842-4  
MBXLE R/A HEADER 13P + 24S

TE Part #5787962-1  
.8MM CHAMP STACK RCPT ASSY

TE Part #5796055-1  
68 CHAMP R/A ASSY,LC

TE Part #2170088-1  
ZSFP+ Connector,30u"

TE Part #5555140-4  
MJ,LPF,R/A,6P/6C,SHLD,PNL GRD

TE Part #1-2204440-1  
MULTI-BEAM HD R/A PLUG  
15S+3P+3P+15S

TE Part #6450842-2  
MBXLE R/A HEADER 3ACP8P24S

Documents

Product Drawings  
QSFP+ Assy, 2x1, Gskt, 2LP-Outr, Sn EONs  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_2085945-1\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_2085945-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2085945-1\\_A.3d\\_stp.zip](#)

English

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Product Specifications

Application Specification

English