



QSFP/QSFP+

TE Internal #: 2085945-4
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

Industry Standards

UL Flammability Rating	UL 94V-0
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Termination Features

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

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
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Contact Features

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

Packaging Features

Packaging Method	Box & Tray
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Configuration Features

Number of Rear EONs per Port Column	0
Number of Positions	76
Number of Ports	2



Port Matrix Configuration	2 x 1
Operation/Application	
Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Heat Sink Compatible	No
Circuit Application	Signal
Housing Features	
Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]
Product Type Features	
Cage Type	Stacked
Form Factor	QSFP+
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	Yes
Electrical Characteristics	
Data Rate (Max)	14 Gb/s
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Other	
Included Lightpipe	No
EMI Containment Feature Type	Elastomeric Gasket
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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



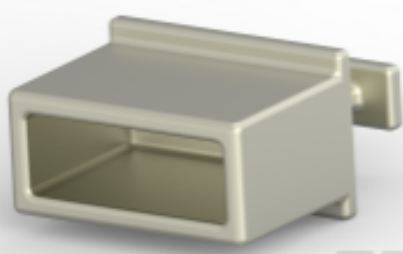
TE Part # CAT-C11-H50111
QSFP-Four SFP+ I/O Cable Assembly
30 AWG




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




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



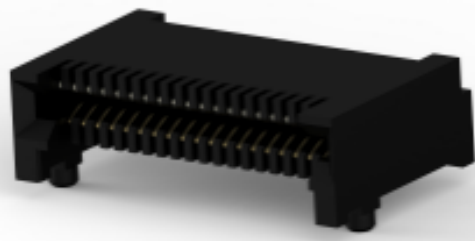
TE Part # 1888810-2
EMI/Dust Cover,XFP And QSFP




TE Part # 2053453-5
C/A, QSFP TO 4XSFP+, 4.0M



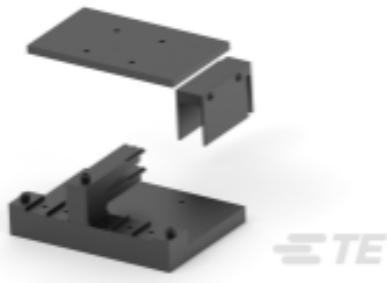
TE Part # 2821033-8
QSFP TO [4]SFP+, 28G, 1M, 33AWG




TE Part # 2110819-1
QSFP+ Enh EVERCLEAR PT Conn




TE Part # 2215001-1
KIT, SEATING TOOL, QSFP+,2X1



TE Part # 2217070-1
KIT, EXTRACTION TOOL, QSFP+

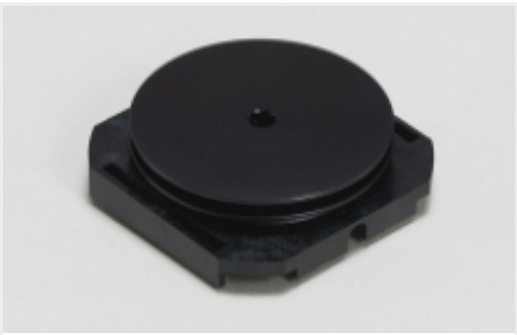


TE Part # CAT-C11-H5011142
QSFP to QSFP I/O Cable Assembly: 33
AWG



TE Part # 1-2053638-6
C/A, QSFP, 0.5M, P1-P2,
UNEQUALIZED

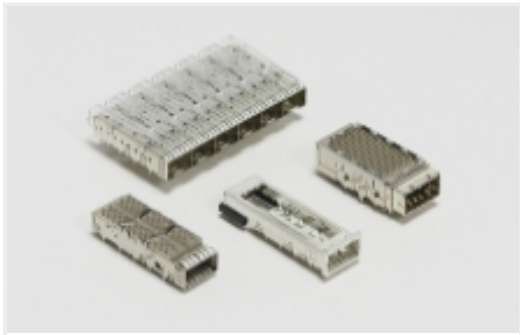
Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Light Pipes(8)



Pluggable IO Connectors & Cages(154)

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



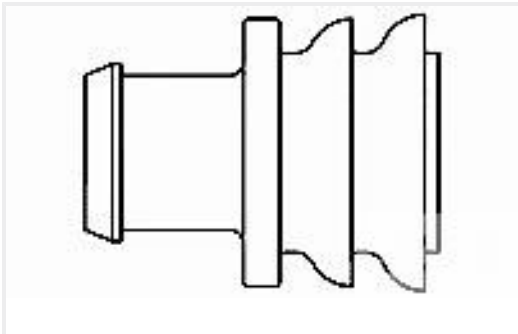
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

QSFP+ Assy, 2x1, Gskt, No LP, Sn EONs

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2085945-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2085945-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2085945-4_A.3d_stp.zip

English

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[Product Specifications](#)

[Application Specification](#)

English