2143331-1 ✔ ACTIVE

QSFP/QSFP+

TE Internal #: 2143331-1

QSFP/QSFP+, QSFP/QSFP+/zQSFP+, Cage Assembly, Port Matrix Configuration 1 x 6, Customer Applied Gasket, Included Lightpipe, Standard

View on TE.com >

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



Pluggable I/O Product Type: **Cage Assembly**

Port Matrix Configuration: **1 x 6**

EMI Containment Feature Type: **Customer Applied Gasket**

Thermal Accessory Type Included: **Heat Sink**

Included Lightpipe: **Yes**

Features

Product Type Features

Form Factor	QSFP+
Cage Type	Ganged
Pluggable I/O Product Type	Cage Assembly
Thermal Accessory Type Included	Heat Sink
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Port Matrix Configuration	1 x 6
Number of Ports	6
Lightpipe Configuration	Dual Square
Number of Rear EONs per Port Column	1

Electrical Characteristics

Data Rate (Max)	14 Gb/s

Body Features

Heat Sink Finish	Anodized Black
Heat Sink Style	Pin

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

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

Packaging Features

Packaging Method	Box & Tray

Other

EMI Containment Feature Type	Customer Applied Gasket
Included Lightpipe	Yes
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	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
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 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

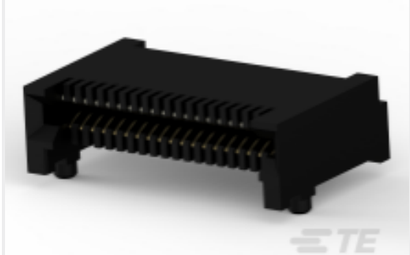
Compatible Parts



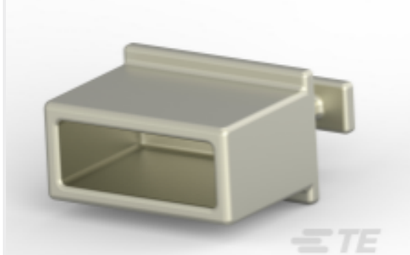
TE Part # CAT-C11-H501114
QSFP to QSFP I/O Cable Assembly: 30 AWG



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



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



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



TE Part # CAT-C11-H5011
QSFP-Four SFP+ I/O Cable Assembly 28 AWG



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



TE Part # 2053638-5
C/A, QSFP, 5M, P1-P2, UNEQUALIZED



TE Part # 1-2220639-0
QSFP TO QSFP, ACTIVE, 28AWG, 10M



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



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



TE Part # 2821309-4
QSFP TO [2]QSFP, 28G, 3 METER, 30AWG



TE Part # 2821309-7
QSFP TO [2]QSFP, 28G, 1 METER, 33AWG



TE Part # 2821309-8
QSFP TO [2]QSFP, 28G, 3 METER, 28AWG



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



TE Part # 2821309-3
QSFP TO [2]QSFP, 28G, 3 METER, 26AWG



TE Part # 2821309-5
QSFP TO [2]QSFP, 28G, 2 METER, 26AWG



TE Part # 2821309-9
QSFP TO [2]QSFP, 28G, 5 METER, 26AWG



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

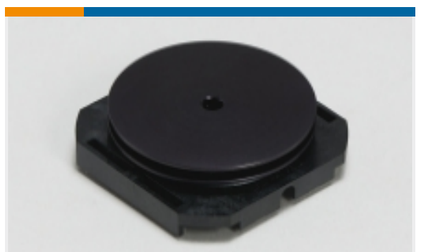


TE Part # 2202165-5
QSFP TO QSFP, 26AWG, FDR, 5.0 METER



TE Part # 2821309-2
QSFP TO [2]QSFP, 28G, 2 METER, 30AWG

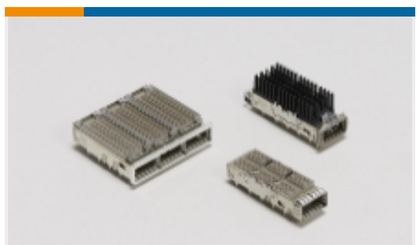
Also in the Series | QSFP/QSFP+



Heat Sinks(1)



Pluggable I/O Cable Assemblies(33)

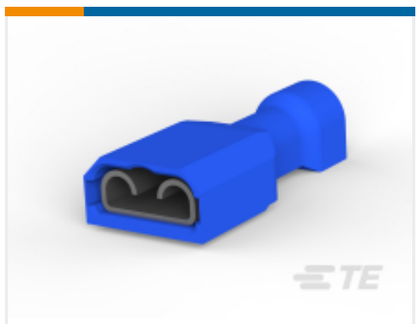


QSFP/QSFP+/zQSFP+(168)

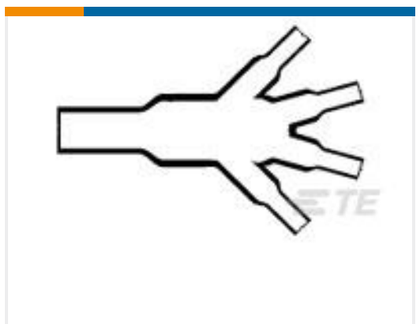
Customers Also Bought



TE Part #2821750-2
SLIVER C/A, 50P, STR TO STR,25GHZ, 100OHM



TE Part #3-521072-2
ULTRA-FAST 250 ASY REC 16-14 AWG TPBR



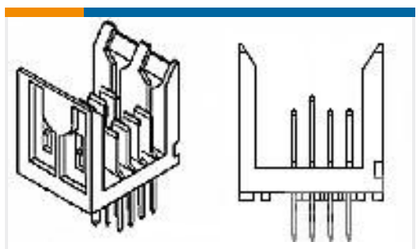
TE Part #556941-000
562A011-4/86-0



TE Part #5767055-2
MICT,R/APLUG,ASSY,76,PDNI



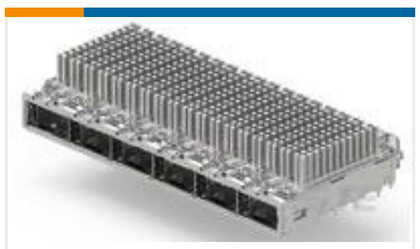
TE Part #YACT26MJ37ABV00100
Straight Plug D38999, J37 Insert



TE Part #5536624-1
2MM FB,ASY,008,PWR,HDR,SL,SEQ



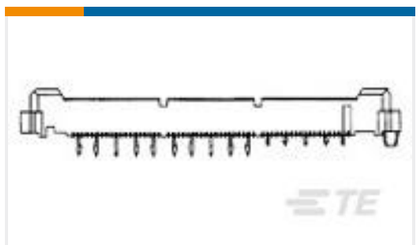
TE Part #2143307-2
1x6 QSFP Assy w/ LP & SAN HS



TE Part #2143307-3
1x6 QSFP Assy w/ LP & Netwk HS



TE Part #2170287-6
1X4 CAGE ASSEMBLY, THRU BEZEL, W/ GASKET



TE Part #5767017-4
MICT,900PLUG,152,ASSY,.025,REC

Documents

Product Drawings

1x6 QSFP Kit Assy Sqr LP, PCI Htsnk

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2143331-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2143331-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2143331-1_A.3d_stp.zip

English

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Product Specifications

Application Specification

English