2174754-2 ✔ ACTIVE

QSFP/QSFP+

TE Internal #: 2174754-2

QSFP+, Cage Assembly, Sealable, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 14 Gb/s, 4 Ports

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Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP+**

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

Sealable: **Yes**

Circuit Application: **Signal**

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

Features

Industry Standards

UL Flammability Rating	UL 94V-0

Termination Features

Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.2 mm[.086 in]

Dimensions

PCB Thickness (Recommended)	1.45 mm[.057 in]

Contact Features

PCB Contact Termination Area Plating Material	Tin

Housing Features

Cage Material	Nickel Silver

Body Features

Heat Sink Style	Pin
Heat Sink Finish	Anodized Black
Heat Sink Height	6.5 mm[.256 in]
Heat Sink Height Class	SAN

Packaging Features

Packaging Method	Box & Tray

Configuration Features

Number of Rear EONs per Port Column	1
Number of Ports	4
Port Matrix Configuration	1 x 4

Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Circuit Application	Signal

Product Type Features

Cage Type	Ganged
Thermal Accessory Type Included	Heat Sink
Form Factor	QSFP+
Pluggable I/O Product Type	Cage Assembly
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) Not Yet Reviewed
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 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



TE Part # 2829040-4
QSFP IB EDR, 30AWG, 1.0M



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



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



TE Part # 2829040-2
QSFP IB EDR, 33AWG, 1.0M



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



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



TE Part # 2829040-8
QSFP IB EDR, 26AWG, 3.0M



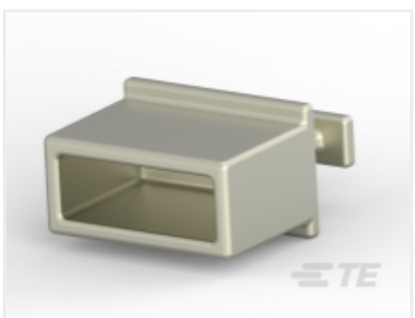
TE Part # 2202165-4
QSFP TO QSFP, 26AWG, FDR, 4.0 METER



TE Part # 2829040-7
QSFP IB EDR, 26AWG, 2.0M



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



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

TE Part # 2215086-2
SEATING TOOL ASSY, QSFP+ 1X4



TE Part # 2829040-6
QSFP IB EDR, 30AWG, 2.0M



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

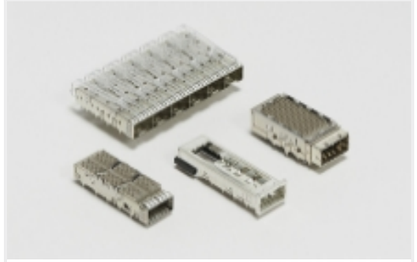
Also in the Series | QSFP/QSFP+



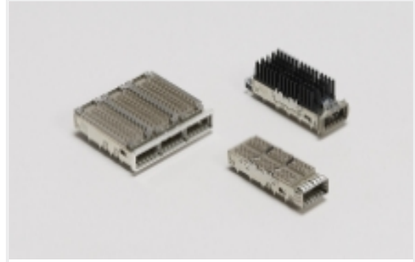
Light Pipes(8)



Pluggable I/O Cable Assemblies(13)

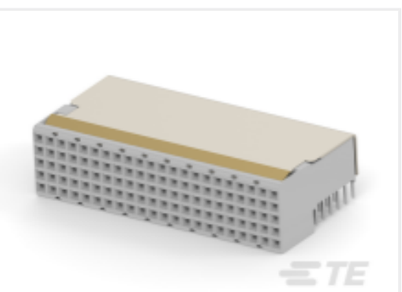


Pluggable IO Connectors & Cages(154)



QSFP, QSFP+ & zQSPF+(154)

Customers Also Bought



TE Part #2170863-1
Z-PACK/B F-HDR 110P, EON



TE Part #6368077-2
2X4 OFFSET STK MJ,SHLD,RJ45,W/GND



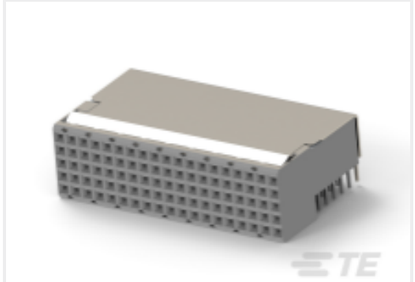
TE Part #2057183-4
1x4 QSFP Kit Assy, LP&HS, PCI



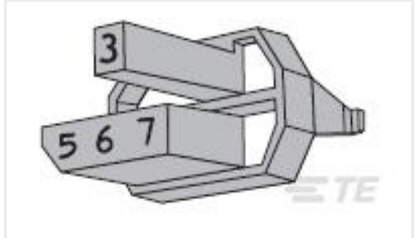
TE Part #2057042-5
1x3 QSFP Kit Assy Lp&HS, SAN



TE Part #2127932-1
C/A, SFP+, GENERIC, 0.5M



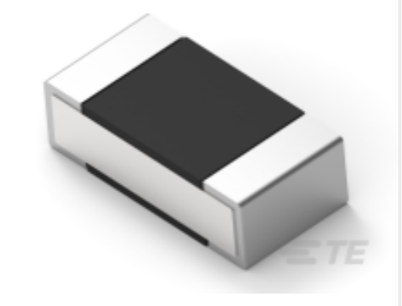
TE Part #2170864-1
Z-PACK/B F-HDR. 95P, EON



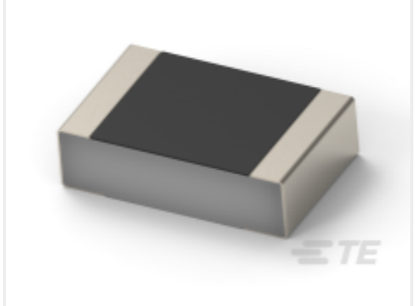
TE Part #6-100526-9
Z-PACK F.CODING KEY



TE Part #2057042-8
1x3 QSFP Kit Assy LP&HS, Networking



TE Part #3-2176306-8
RP 1E 0.1W 2K8 0.1% 25PPM 5K RL



TE Part #5-2176074-8
CPF 0201 22K6 0.5% 50PPM 1K RL

Documents

Product Drawings

1x4 QSFP Kit Assy Bhnd Bzl,w/gasket,SAN

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2174754-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2174754-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2174754-2_B.3d_stp.zip

English

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Product Specifications

Application Specification

English