



**QSFP/QSFP+**

TE Internal #: 2057042-1

QSFP, QSFP+ & zQSPF+, Cage Assembly, 1 x 3, Customer Applied Gasket, Included Lightpipe, Standard, Data Rate (Max) 14 Gb/s, 3 Port, QSFP/QSFP+

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSPF+

Pluggable I/O Product Type: **Cage Assembly**  
 Port Matrix Configuration: **1 x 3**  
 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 3
Number of Ports	3
Lightpipe Configuration	Dual Round
Number of Rear EONs per Port Column	1

**Electrical Characteristics**

Data Rate (Max)	14 Gb/s
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**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
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### Termination Features

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

### Mechanical Attachment

Connector Mounting Type	Board Mount
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### Housing Features

Cage Material	Nickel Silver
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### Dimensions

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

Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
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### 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
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### Packaging Features

Packaging Method	Box & Tray
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### 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: JUNE 2023 (235)  
 Candidate List Declared Against: JUNE 2023 (235)  
 Does not contain REACH SVHC

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

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 # 1761987-9 ReceptacleConnAssm38PosTape/Re	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-H501142 QSFP to QSFP I/O Cable Assembly: 33 AWG	TE Part # 2053638-4 C/A, QSFP, 4M, P1-P2, UNEQUALIZED



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

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

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

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

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

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

### Also in the Series | QSFP/QSFP+

Heat Sinks(1)

Pluggable I/O Cable Assemblies(23)

QSFP, QSFP+ & zQSFP+(168)

### Customers Also Bought

TE Part #2102737-1  
BP, Right End, MULTIGIG RT 2R

TE Part #1-382811-6  
SHUNT,ECON,PHBR 15AU,BLACK L/P

TE Part #8-2176398-5  
3502 15R 5%

TE Part #9-2176371-6  
RQ 0603 45K3 0.1% 10PPM 5K RL

TE Part #1589484-2  
STL009L42KN = SMT CONN

TE Part #1405027-2  
GASKET

TE Part #767096-8  
MICT,REC,038,ASY,.025,TAPE,CAP

TE Part #205544-1  
SOCKET ASSY #22 (SP'L)



## Documents

### Product Drawings

[1x3 QSFP Kit Assy LP&HS, PCI](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2057042-1\\_F.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2057042-1\\_F.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_2057042-1\\_F.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[1773408-1 Pluggable Input/Output Solutions catalog - QSFP section](#)

English

[4-1773455-5 - Quick Reference Guide QSFP/QSFP+ Solutions](#)

English

### Product Specifications

[Product Specification](#)

English