



**QSFP/QSFP+**

TE Internal #: 1-1761987-8

QSFP, QSFP+ & zQSFP+, Connector, Cable-to-Board, 38 Position, .032 in [.8 mm] Centerline, Printed Circuit Board, Signal, Board Mount, QSFP/QSFP+

[View on TE.com >](#)

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



Pluggable I/O Product Type: **Connector**

Connector System: **Cable-to-Board**

Number of Positions: **38**

Centerline (Pitch): **.8 mm [.032 in ]**

Sealable: **No**

**Features**

**Product Type Features**

Form Factor	QSFP+
Pluggable I/O Product Type	Connector
Connector System	Cable-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

**Configuration Features**

Number of Positions	38
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**Contact Features**

Contact Mating Area Plating Material Thickness	.38 μm[15 μin]
Contact Mating Area Plating Material	Gold
PCB Contact Termination Area Plating Material	Tin
Contact Current Rating (Max)	.5 A

**Termination Features**

Termination Method to Printed Circuit Board	Surface Mount
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**Mechanical Attachment**

Connector Mounting Type	Board Mount
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**Housing Features**



Centerline (Pitch)	.8 mm[.032 in]
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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+ Cage
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Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Method	Reel, Tape
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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Solder Process Capability	Reflow solder capable to 260°C
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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-H50114  
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 # 2202165-4  
QSFP TO QSFP, 26AWG, FDR, 4.0 METER



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



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(33)



QSFP, QSFP+ &amp; zQSFP+(168)

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761987-8\\_A.2d\\_dxf.zip](#)

English

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761987-8\\_A.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1-1761987-8\\_A.3d\\_igs.zip](#)

English

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

### Product Specifications

#### Application Specification

English

### Product Environmental Compliance

#### TE Material Declaration

English

### Agency Approvals

#### UL Report

English