

1761987-5 ✓ ACTIVE

QSFP/QSFP+

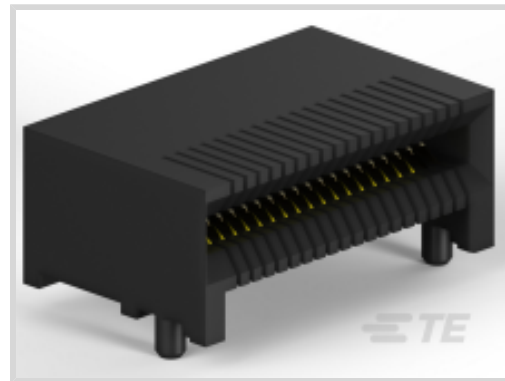
TE Internal #: 1761987-5

QSFP+, Connector, .8mm [.032in] Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F], Data Rate (Max) 14 Gb/s, 38 Position

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Connectors > Pluggable IO Connectors & Cages



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

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

Sealable: **No**

Circuit Application: **Signal**

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

Features

Product Type Features

Pluggable I/O Product Type	Connector
Sealable	No
Form Factor	QSFP+

Configuration Features

Number of Positions	38
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Electrical Characteristics

Data Rate (Max)	14 Gb/s
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Contact Features

Contact Mating Area Plating Material Thickness	.76 µm[30 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 PCB	Surface 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

Circuit Application	Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Method	Tube
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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	Reflow solder capable to 260°C

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-H5011
QSFP-Four SFP+ I/O Cable Assembly
30 AWG



TE Part # 1761987-9
Receptacle Conn Assm 38 Pos Tape/Re



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



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



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



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 # 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)



Light Pipes(8)



Pluggable I/O Cable Assemblies(13)



Pluggable IO Connectors & Cages(154)

Customers Also Bought



TE Part #6469085-1
HMZD 3PAIR, HDR ASSY, 25MM MOD



TE Part #2-1761608-3
IDC LOW PRO HDR 10P VERT SHT L



TE Part #292303-1
Std USB Type A, R/A, T/H



TE Part #4-1393240-8
RT334024



TE Part #8-1676481-7
CPF 0603 33K 0.1% 25PPM 1K RL



TE Part #1-2176382-5
RQ 0805 187K 0.1% 10PPM 5K RL



TE Part #2177367-3
Miniature Automotive I/O Headers



TE Part #2-2176264-1
RN 0805 825K 0.1% 10PPM 1K RL

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_1761987-5_A.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1761987-5_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1761987-5_A.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English