

1761987-5 ✓ ACTIVE

QSFP/QSFP+

TE Internal #: 1761987-5

QSFP, QSFP+ & zQSFP+, Connector, Standard, Data Rate (Max) 14 Gb/s, Board-to-Board, 38 Position, .032 in [.8 mm] Centerline, QSFP /QSFP+

[View on TE.com >](#)



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



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

Enhancements: **Standard**

Data Rate (Max): **14 Gb/s**

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

Number of Positions: **38**

Features

Product Type Features

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

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 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	Tube
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Other

Enhancements	Standard
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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 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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-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-H5011142
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

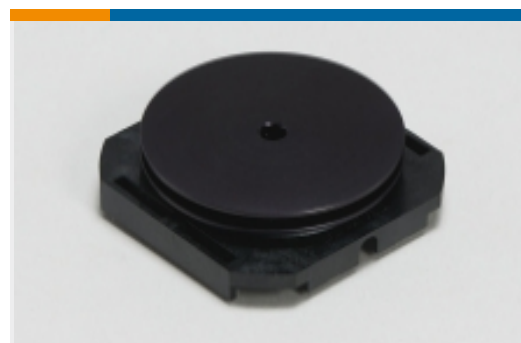


TE Part # 2202165-5
QSFP TO QSFP, 26AWG, FDR, 5.0 METER




TE Part # 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



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

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

UL Report

English

