



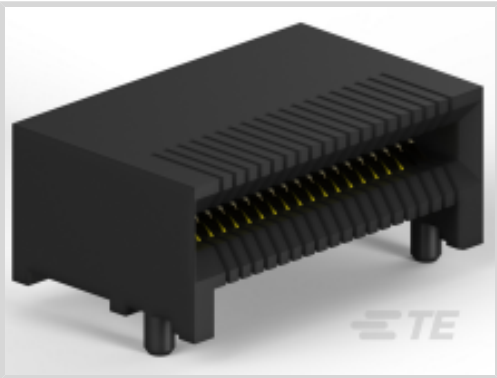
QSFP/QSFP+

TE Internal #: 1761987-5

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

[View on TE.com >](#)

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
---------------------	----

Electrical Characteristics

Data Rate (Max)	14 Gb/s
-----------------	---------

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
---	---------------

Housing Features

Centerline (Pitch)	.8 mm[.032 in]
--------------------	----------------

Dimensions



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

Usage Conditions

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

Operation/Application

Circuit Application	Signal
---------------------	--------

Industry Standards

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Method	Tube
------------------	------

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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-H50111
QSFP-Four SFP+ I/O Cable Assembly
30 AWG

TE Part # 1761987-9
ReceptacleConnAssm38PosTape/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(19)

Pluggable IO Connectors & Cages(154)

Customers Also Bought

TE Part # 747846-4
25 MSFL RCPT RA 318 (IN,FM,BL)

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

TE Part # 84953-6
1MM FPC HORZ.TOP CONT.ASSY 6P

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





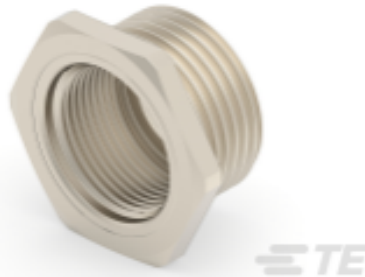
TE Part # 4-1879140-2
RN 0603 49K9 0.1% 10PPM 5K RL



TE Part # 2318579-2
RCPT CONN R/A SMT 76 POSN QSFP-DD WSHRS



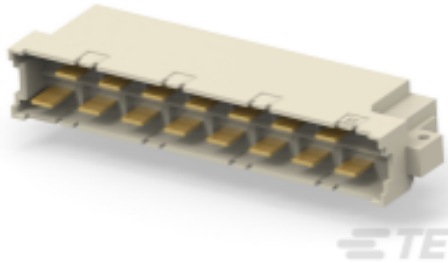
TE Part # 2385692-1
USB4 RECPTACLE ON BOARD



TE Part # 394847-E
M12 METAL SHELL, FEMALE, VERT, 13MM, C6A



TE Part # CSI-SGFE-300-UFFR
SMA to U.FL/MHF1 300mm 1.13 OD



TE Part # 414575-E
STVH15 15 M ZD VV 3-00 LAFD * A049 199 E

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

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

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English