



QSFP/QSFP+

TE Internal #: 2085945-3
QSFP+, Cage Assembly with Integrated Connector, .8mm [.032in]
Centerline, Sealable, Signal, Operating Temperature Range -55 – 105 °C [-67 – 221 °F]

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages



Form Factor: **QSFP+**
Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**
Centerline (Pitch): **.8 mm [.032 in]**
Sealable: **Yes**
Circuit Application: **Signal**

Features

Product Type Features

Cage Type	Stacked
Form Factor	QSFP+
Pluggable I/O Product Type	Cage Assembly with Integrated Connector
Sealable	Yes

Configuration Features

Number of Rear EONs per Port Column	0
Number of Positions	76
Number of Ports	2
Port Matrix Configuration	2 x 1

Electrical Characteristics

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

Contact Features

Contact Underplating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
PCB Contact Termination Area Plating Material	Gold
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

--	--



Termination Method to PCB	Through Hole - Press-Fit
Termination Post & Tail Length	2.05 mm[.08 in]

Housing Features

Cage Material	Nickel Silver
Centerline (Pitch)	.8 mm[.032 in]

Dimensions

PCB Thickness (Recommended)	1.57 mm[.062 in]
-----------------------------	------------------

Usage Conditions

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

Operation/Application

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
Heat Sink Compatible	No
Circuit Application	Signal

Industry Standards

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

Packaging Features

Packaging Method	Box & Tray
------------------	------------

Other

Included Lightpipe	Yes
EMI Containment Feature Type	Elastomeric Gasket

Product Compliance

For compliance documentation, visit the product page on TE.com>

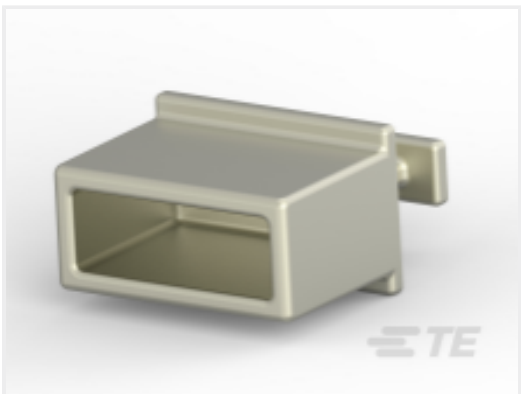
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability



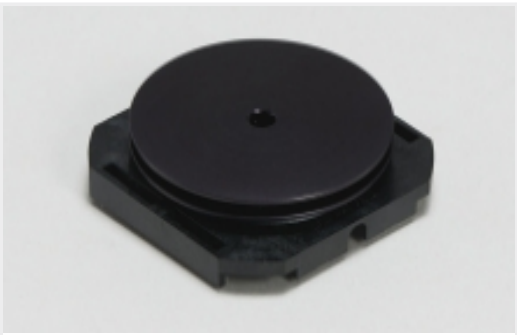
Product Compliance Disclaimer

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 # 2217070-1 KIT, EXTRACTION TOOL, QSFP+	 TE Part # 2215001-1 KIT, SEATING TOOL, QSFP+,2X1	 TE Part # 2821033-8 QSFP TO [4]SFP+, 28G, 1M, 33AWG
 TE Part # 2829040-4 QSFP IB EDR, 30AWG, 1.0M	 TE Part # 2110819-1 QSFP+ Enh EVERCLEAR PT Conn	 TE Part # 2202165-5 QSFP TO QSFP, 26AWG, FDR, 5.0 METER	 TE Part # 2202165-4 QSFP TO QSFP, 26AWG, FDR, 4.0 METER
 TE Part # 2053453-5 C/A, QSFP TO 4XSFP+, 4.0M	 TE Part # 1888810-2 EMI/Dust Cover,XFP And QSFP	 TE Part # CAT-C11-H5011142 QSFP to QSFP I/O Cable Assembly: 33 AWG	 TE Part # 1-2053638-6 C/A, QSFP, 0.5M, P1-P2, UNEQUALIZED

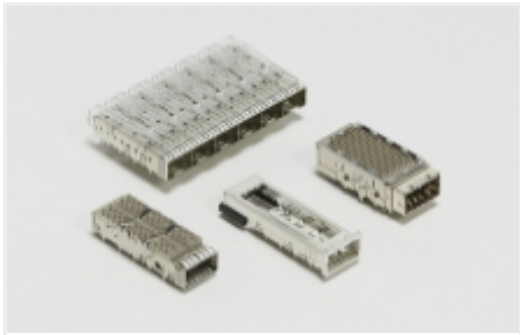
Also in the Series | QSFP/QSFP+



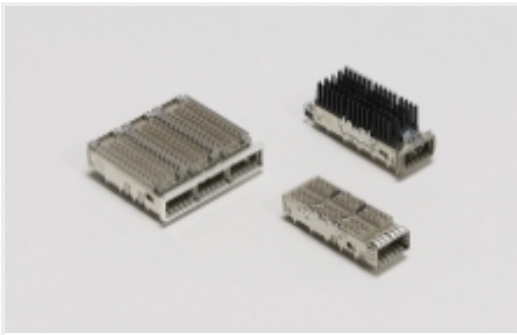
Heat Sinks(1)



Light Pipes(8)



Pluggable IO Connectors & Cages(154)

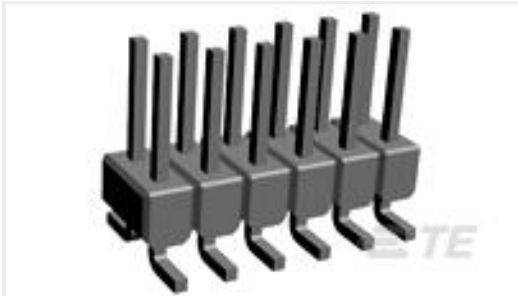


QSFP, QSFP+ & zQSPF+(154)

Customers Also Bought



TE Part #1676242-2
RN 0805 1K78 0.1% 10PPM 1KRL



TE Part #1241050-6
2x6P MOD II BREAK AWAY HDR,SMD,
BLISTER



TE Part #1410189-3
MULTIGIG RT T2 7RW H-LFT,ET2



TE Part #806798-000
222A111-25-0



TE Part #1676216-2
RN 0805 19K1 0.1% 10PPM 1KRL



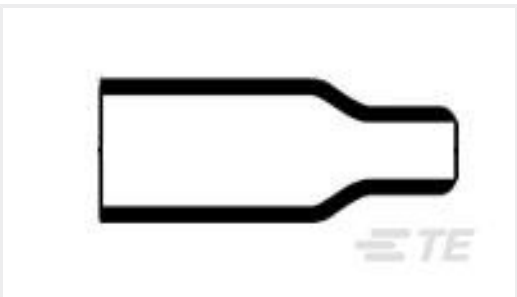
TE Part #1676300-2
RN 0805 30K1 0.1% 10PPM 1KRL



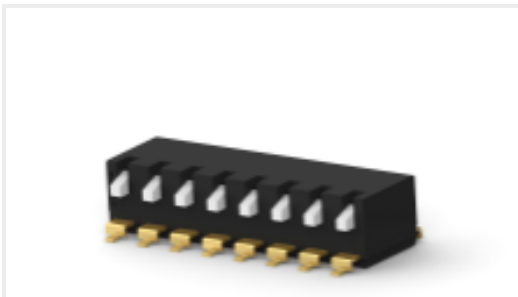
TE Part #1676165-2
RN 0805 11K 0.1% 10PPM 1KRL



TE Part #5070044032
RNF-100-1/8-X-SP



TE Part #806698-000
202A142-25-0



TE Part #4-2319764-4
E STACK PIANO 8P G LONG T&R PD
OFF

Documents

Product Drawings

QSFP+ Assy, 2x1, Gskt, 4LP-All, Sn EONs

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2085945-3_A.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_2085945-3_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2085945-3_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