



QSFP/QSFP+

TE Internal #: 2085945-1

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 > High Speed Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Cage Assembly with Integrated Connector**

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

Sealable: **Yes**

Circuit Application: **Signal**

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

Features

Product Type Features

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

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
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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
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Termination Post & Tail Length	2.05 mm[.08 in]
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Housing Features

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

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

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

Pluggable I/O Applications	SFP+ Stacked Belly-to-Belly
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Heat Sink Compatible	No
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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	Box & Tray
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Other

Included Lightpipe	Yes
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EMI Containment Feature Type	Elastomeric Gasket
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC
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Free

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 # 2821033-8
QSFP TO [4]SFP+, 28G, 1M, 33AWG



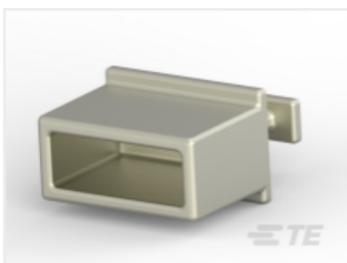
TE Part # 2215001-1
KIT, SEATING TOOL, QSFP+,2X1



TE Part # 2217070-1
KIT, EXTRACTION TOOL, QSFP+



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



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



TE Part # 2053453-5
C/A, QSFP TO 4XSFP+, 4.0M



TE Part # CAT-C11-H50111
QSFP-Four SFP+ I/O Cable Assembly
30 AWG



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



TE Part # CAT-C11-H5011142
QSFP to QSFP I/O Cable Assembly: 33
AWG

Also in the Series | **QSFP/QSFP+**



Heat Sinks(1)



High Speed I/O Cable Assemblies(13)



Light Pipes(6)



QSFP, QSFP+ & zQSFP+(143)

Customers Also Bought



TE Part #CONSMB007-G
SMB Plug 50 Ohm Cable Crimp



TE Part #214802-E
EPSVA KS GD-6 TL 6 3,8 SN *
STROMVERSORG



TE Part #51494-2
STD HIGH VOLTAGE BLKHD RECEPT



TE Part #6-103735-1
12 MTE HDR SRST LATCH .100CL



TE Part #350422-1
02P CMNL HDR ASSY PC NATL



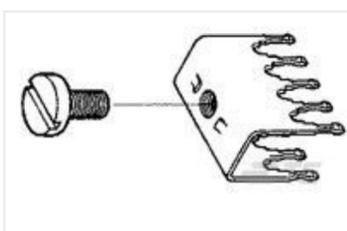
TE Part #1-480318-9
02P CMNL PLUG HSG F/H BLK



TE Part #1888247-1
20 POS SMT CONN, SFP/SFP+, 30A



TE Part #2041549-1
SOCKET ASSY, DMD 350, T/R, G/F



TE Part #5055558-4
10 POWER TAP ASSY .100



TE Part #5332225-5
PLUG, TWIN BNC,

Documents

Product Drawings

[QSFP+ Assy, 2x1, Gskt, 2LP-Outr, Sn EONs](#)

English

CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG_CVM_CVM_2085945-1_A.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_2085945-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2085945-1_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