



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]

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Connectors > 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 Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Mating Area Plating Material	Gold
Contact Underplating Material	Tin
PCB Contact Termination Area Plating Material	Gold

Termination Features



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

Housing Features

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

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
Heat Sink Compatible	No
Circuit Application	Signal

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
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: 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

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 # 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 # 2215001-1 KIT, SEATING TOOL, QSFP+,2X1	 TE Part # 2217070-1 KIT, EXTRACTION TOOL, QSFP+
 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 #2007637-8
SFP+ assy 2x2 Spring Fingers N

TE Part #1367073-1
20 POS SMT CONN, SFP, 15AU

TE Part #5787962-1
.8MM CHAMP STACK RCPT ASSY

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

TE Part #4-1879215-7
CPF 0402 13K3 0.1% 25PPM 1K RL

TE Part #5-1879208-0
CPF 0402 1K1 0.1% 25PPM 1K RL

TE Part #7-1879214-2
CPF 0402 2K05 0.1% 25PPM 1K RL

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

TE Part #2319757-1
DUAL LGA,257 POS, DMD SOCKET

TE Part #6-2170705-2
CAGE ASSY, QSFP28 1X1, SPRING, HS, LP

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

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Product Specifications

Application Specification

English