2085945-4 ✔ ACTIVE

QSFP/QSFP+

TE Internal #: 2085945-4

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

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	No
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	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

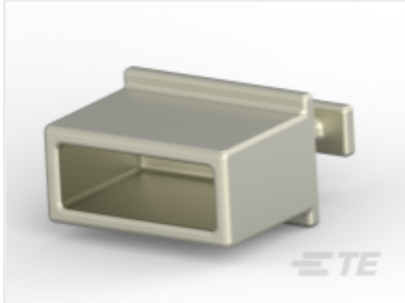
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 2202165-5
QSFP TO QSFP, 26AWG, FDR, 5.0 METER

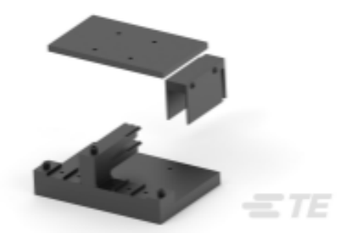
TE Part # 2202165-4
QSFP TO QSFP, 26AWG, FDR, 4.0 METER

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-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

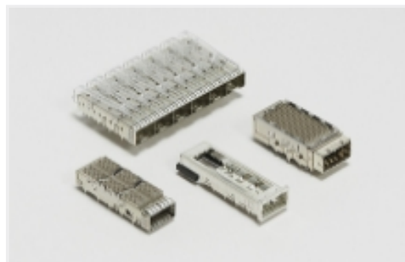
TE Part # 2110819-1
QSFP+ Enh EVERCLEAR PT Conn

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+

Pluggable I/O Cable Assemblies(13)



Pluggable IO Connectors & Cages(154)

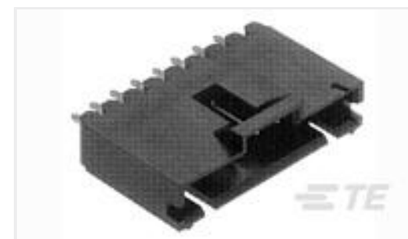
QSFP, QSFP+ & zQSPF+(154)

Customers Also Bought

TE Part #5-103908-5
06 MTE HDR SRST LATCH W/HLDWN

TE Part #2176343-9
CRGCQ 1206 47R 1%

TE Part #1-640445-5
15P MTA156 HDR ASSY FL/STR SNL



TE Part #5-103639-4
05 MTE HDR SRST LATCH .100CL

TE Part #5-103634-4
05 MTE HDR SRRA LATCH.100CL LF

TE Part #103735-4
05 MTE HDR SRST LATCH .100CL

TE Part #1-2176364-3
RQ 0402 6K19 0.1% 10PPM 5K RL

TE Part #1-1879234-9
SMF5 3K0 5%

TE Part #2-2176343-5
CRGCQ 1206 1K0 1%

TE Part #9-1614882-9
CPF 0603 22R 0.1% 25PPM 1K RL

Documents

Product Drawings

QSFP+ Assy, 2x1, Gskt, No LP, Sn EONs

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2085945-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2085945-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2085945-4_A.3d_stp.zip

English

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Product Specifications

Application Specification

English