

**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 &gt; Pluggable I/O Connectors &amp; 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

### Industry Standards

UL Flammability Rating

UL 94V-0

### Termination Features

Termination Method to PCB

Through Hole - Press-Fit

Termination Post &amp; Tail Length

2.05 mm[.08 in]

### Dimensions

PCB Thickness (Recommended)

1.57 mm[.062 in]

### Contact Features

Contact Underplating Material

Tin

Contact Mating Area Plating Material

Gold

PCB Contact Termination Area Plating Material

Gold

Contact Mating Area Plating Material Thickness

.76 µm[30 µin]

### Packaging Features

Packaging Method

Box &amp; Tray

### Configuration Features

Number of Rear EONs per Port Column

0

Number of Positions

76

Number of Ports

2

Port Matrix Configuration 2 x 1

#### Operation/Application

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

#### Housing Features

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

#### Product Type Features

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

#### Electrical Characteristics

Data Rate (Max)	14 Gb/s
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#### Usage Conditions

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

Included Lightpipe	No
EMI Containment Feature Type	Elastomeric Gasket
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 # 2202165-5  
QSFP TO QSFP, 26AWG, FDR, 5.0 METER



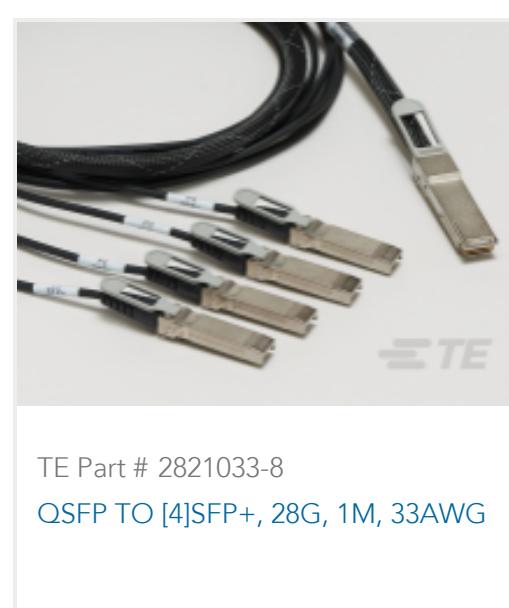
TE Part # 2202165-4  
QSFP TO QSFP, 26AWG, FDR, 4.0 METER



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



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



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



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



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



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

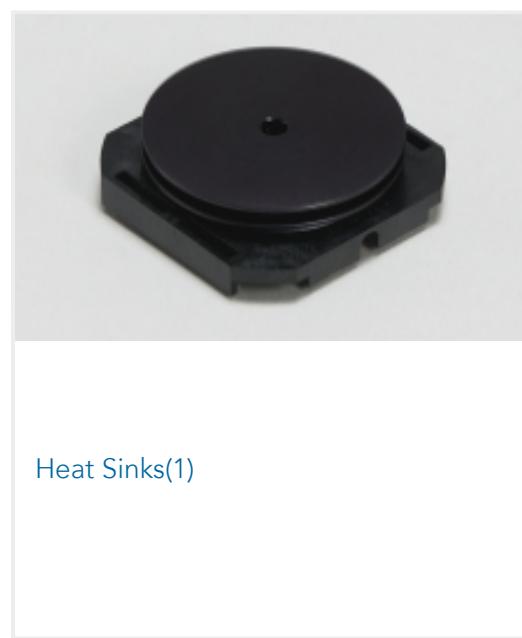


TE Part # CAT-C11-H501142  
QSFP to QSFP I/O Cable Assembly: 33 AWG

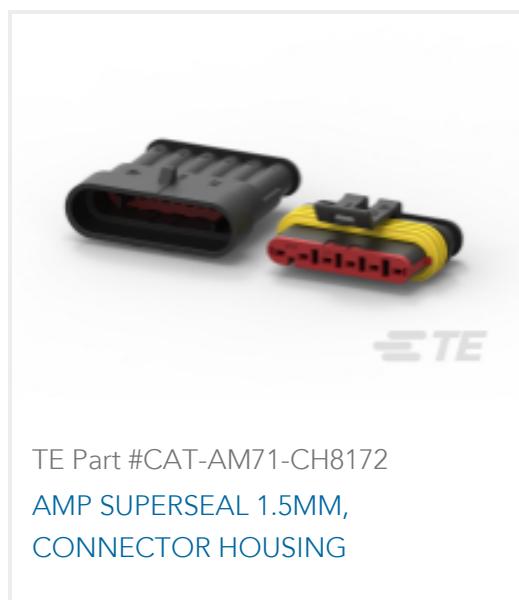
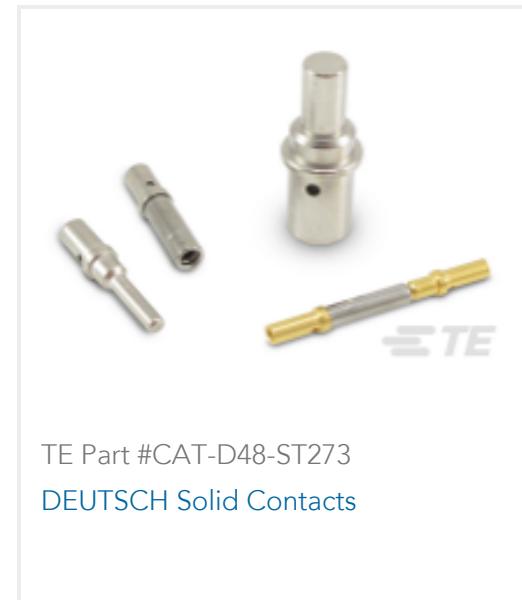


TE Part # 1-2053638-6  
C/A, QSFP, 0.5M, P1-P2,  
UNEQUALIZED

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



## Customers Also Bought



## 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