



QSFP/QSFP+

TE Internal #: 2170288-1

QSFP, QSFP+ & zQSFP+, Cage, 1 x 4, Elastomeric Gasket, Standard, 4 Port, 2 Rear EONs per Port Column, Cable-to-Board, Sealable, QSFP/QSFP+

[View on TE.com >](#)

Connectors > Pluggable IO Connectors & Cages > QSFP, QSFP+ & zQSFP+



Pluggable I/O Product Type: **Cage**

Port Matrix Configuration: **1 x 4**

EMI Containment Feature Type: **Elastomeric Gasket**

Included Lightpipe: **No**

Enhancements: **Standard**

Features

Product Type Features

| | |
|-----------------------------------|-----------------------|
| Form Factor | QSFP+ |
| Cage Type | Ganged |
| Pluggable I/O Product Type | Cage |
| Connector System | Cable-to-Board |
| Sealable | Yes |
| Connector & Contact Terminates To | Printed Circuit Board |

Configuration Features

| | |
|-------------------------------------|-------|
| Port Matrix Configuration | 1 x 4 |
| Number of Ports | 4 |
| Number of Rear EONs per Port Column | 2 |

Contact Features

| | |
|---|-----|
| PCB Contact Termination Area Plating Material | Tin |
|---|-----|

Termination Features

| | |
|---|--------------------------|
| Termination Post & Tail Length | 2.2 mm[.086 in] |
| Termination Method to Printed Circuit Board | Through Hole - Press-Fit |

Mechanical Attachment

| | |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|



Housing Features

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|---------------|---------------|
| Cage Material | Nickel Silver |
|---------------|---------------|

Dimensions

| | |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.45 mm[.057 in] |
|-----------------------------|------------------|

Operation/Application

| | |
|-------------------------------------|--|
| Heat Sink Compatible | Yes |
| For Use With Pluggable I/O Products | QSFP Cable Assembly, QSFP MSA Compatible Transceiver |
| Pluggable I/O Applications | SFP+ Stacked Belly-to-Belly |
| Circuit Application | Signal |

Industry Standards

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

Packaging Features

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

Other

| | |
|------------------------------|--------------------|
| EMI Containment Feature Type | Elastomeric Gasket |
| Included Lightpipe | No |
| Enhancements | Standard |

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 2022 (224) Candidate List Declared Against: JAN 2021 (211) 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-H501114
QSFP to QSFP I/O Cable Assembly: 30 AWG



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 # 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 # 2053638-5
C/A, QSFP, 5M, P1-P2, UNEQUALIZED



TE Part # 1-2220639-0
QSFP TO QSFP, ACTIVE, 28AWG, 10M



TE Part # 1-2220639-3
QSFP TO QSFP, ACTIVE, 28AWG, 13M



TE Part # 2053638-4
C/A, QSFP, 4M, P1-P2, UNEQUALIZED



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 # 2829040-2
QSFP IB EDR, 33AWG, 1.0M



TE Part # 2829040-4
QSFP IB EDR, 30AWG, 1.0M



TE Part # 2829040-6
QSFP IB EDR, 30AWG, 2.0M



TE Part # 2829040-7
QSFP IB EDR, 26AWG, 2.0M



TE Part # 2829040-8
QSFP IB EDR, 26AWG, 3.0M



Also in the Series | QSFP/QSFP+



Documents

Product Drawings

1X4 CAGE ASSEMBLY, THRU BEZEL, QSFP

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2170288-1_3.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2170288-1_3.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2170288-1_3.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Product Specification

English

Product Environmental Compliance

TE Material Declaration

English

2170288-1

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EONs per Port Column, Cable-to-Board, Sealable, QSFP/QSFP+

