



TE Internal #: 2394949-1
 QSFP112, Connector, .031in [.8mm] Centerline, Signal, Operating Temperature Range -55 – 105 °C [-67 – 185 °F], Data Rate (Max) 112 Gb/s, 76 Position

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Connectors > Pluggable IO Connectors & Cages



Pluggable I/O Product Type: **Connector**
 Centerline (Pitch): **.8 mm [.031 in]**
 Circuit Application: **Signal**
 Operating Temperature Range: **-55 – 105 °C [-67 – 185 °F]**
 Data Rate (Max): **112 Gb/s**

Features

Product Type Features

| | |
|----------------------------|-----------|
| Pluggable I/O Product Type | Connector |
| Form Factor | QSFP112 |

Configuration Features

| | |
|---------------------------|-------|
| Number of Positions | 76 |
| Number of Ports | 2 |
| Port Matrix Configuration | 2 x 1 |

Electrical Characteristics

| | |
|-----------------|----------|
| Data Rate (Max) | 112 Gb/s |
|-----------------|----------|

Contact Features

| | |
|---|--------------|
| Contact Mating Area Plating Material | Gold |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Copper Alloy |
| Contact Current Rating (Max) | .5 A |



Termination Features

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|---|---------------|
| Termination Method to Printed Circuit Board | Surface Mount |
|---|---------------|

Housing Features

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|--------------------|------------------------------|
| Housing Material | LCP (Liquid Crystal Polymer) |
| Centerline (Pitch) | .8 mm [.031 in] |

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -55 – 105 °C [-67 – 185 °F] |
|-----------------------------|-----------------------------|

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

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

Packaging Features

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|------------------|----------|
| Packaging Method | Tray/Box |
|------------------|----------|

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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 reviewed 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



Documents

Product Drawings

[RCPT CONN QSFP 112 STACKED](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2394949-1_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2394949-1_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2394949-1_1.3d_stp.zip](#)

English

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

Product Specifications

[Product Specification](#)

English