



Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies > QSFP to QSFP I/O Cable Assembly: 30 AWG



Cable Assembly Type: **QSFP**

Cable Assembly (End A): **QSFP Plug**

Cable Assembly (End B): **QSFP Plug**

Wire Size: **.051 mm<sup>2</sup>**

[All QSFP to QSFP I/O Cable Assembly: 30 AWG \(1\)](#)

Features

Product Type Features

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| Latching Style          | Slide Latch                                           |
| Cable Assembly Category | High Speed                                            |
| Cable Assembly Type     | QSFP                                                  |
| Cable Assembly (End A)  | QSFP Plug                                             |
| Cable Assembly (End B)  | QSFP Plug                                             |
| Cable Style             | Madison TurboTwin, Madison TurboTwin - Round Jacketed |

Configuration Features

|                            |    |
|----------------------------|----|
| Number of Positions        | 16 |
| Number of Pairs            | 8  |
| Number of Signal Positions | 16 |

Electrical Characteristics

|           |       |
|-----------|-------|
| Impedance | 100 Ω |
|-----------|-------|

Signal Characteristics



|           |         |
|-----------|---------|
| Data Rate | 10 Gb/s |
|-----------|---------|

Body Features

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Strain Relief Type        | Heat Shrink Tubing                              |
| Shield Material           | Aluminum/Polyester Tape/Tin-Plated Copper Braid |
| Jacket Material           | Flexible PVC                                    |
| Cable Color               | Black                                           |
| Cable Flammability Rating | CL2                                             |
| Equalized                 | No                                              |

Contact Features

|                                      |      |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

Mechanical Attachment

|                  |         |
|------------------|---------|
| Mating Alignment | Without |
|------------------|---------|

Housing Features

|                  |          |
|------------------|----------|
| Housing Material | Zinc Die |
|------------------|----------|

Dimensions

|                        |                      |
|------------------------|----------------------|
| Wire Size              | .051 mm <sup>2</sup> |
| Outside Cable Diameter | 6.48 mm[.255 in]     |

Operation/Application

|              |     |
|--------------|-----|
| Shielded     | Yes |
| Halogen Free | No  |

Other

|                              |               |
|------------------------------|---------------|
| Cable Assembly Configuration | Double Ended  |
| Cable Assembly Length        | 1 m[3.281 ft] |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                    |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                             |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold         |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241) |



Candidate List Declared Against: JAN 2022  
(223)

Does not contain REACH SVHC

|                           |                                                |
|---------------------------|------------------------------------------------|
| Halogen Content           | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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>

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 #DT04-2P  
REC, 2P, GRY, N



TE Part #W2S  
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



Documents

Product Drawings

C/A, QSFP, 1M, P1-P2, UNEQUALIZED

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2053638-1\_Y.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2053638-1\_Y.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2053638-1\_Y.3d\_stp.zip

English

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

Datasheets & Catalog Pages

1773408-1 Pluggable Input/Output Solutions catalog - QSFP section

English

9-1773458-9\_QSFP/QSFP+\_HIGH\_SPEED\_COPPER\_CABLE\_ASSEMBLIES

English