



zQSFP+/QSFP28

TE Internal #: 2333393-3  
QSFP28 Cable Assembly, 16 Positions, 3.28 ft [1 m], 25 Gb/s, Black  
Cable, Shielded, 30 AWG, .051 mm², Madison TurboTwin - Round  
Jacketed, QSFP28 Plug

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Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies > QSFP28 to QSFP28 Cable Assembly: 30 AWG



Cable Assembly Type: **QSFP28**

Equalized: **No**

Wire Size: **.051 mm²**

Outside Cable Diameter: **6.2 mm [ .244 in ]**

[All QSFP28 to QSFP28 Cable Assembly: 30 AWG \(6\)](#)

Features

Product Type Features

|                         |                                    |
|-------------------------|------------------------------------|
| Cable Assembly Category | High Speed, Industry Standard      |
| Cable Assembly Type     | QSFP28                             |
| Connector Type (End A)  | QSFP28 Plug                        |
| Connector Type (End B)  | QSFP28 Plug                        |
| Cable Style             | 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 | 25 Gb/s |
|-----------|---------|



Body Features

|                           |       |
|---------------------------|-------|
| Equalized                 | No    |
| Cable Color               | Black |
| Cable Flammability Rating | CL2   |

Dimensions

|                        |                 |
|------------------------|-----------------|
| Wire Size              | .051 mm²        |
| Outside Cable Diameter | 6.2 mm[.244 in] |

Operation/Application

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

Other

|                              |              |
|------------------------------|--------------|
| Cable Assembly Configuration | Double Ended |
| Cable Assembly Length        | 1 m[3.28 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 Compliant                                                                                                                 |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold                                                                                          |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                    |

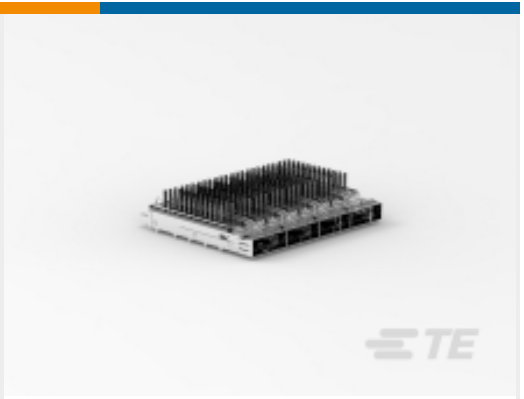
Product Compliance Disclaimer

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

|                                                                                                                                                             |                                                                                                                                                            |                                                                                                                                                           |                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # 2170745-2<br/>CAGE ASSY, 1X4, QSFP28, SPRING, HS</p>         |  <p>TE Part # 2170705-7<br/>CAGE ASSY, QSFP28 1X1, SPRING, HS, LP</p>    |  <p>TE Part # 2170747-6<br/>CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p> |  <p>TE Part # 2170806-5<br/>CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS</p>   |
|  <p>TE Part # 2-2170747-2<br/>CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p> |  <p>TE Part # 2170806-1<br/>CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS</p> |  <p>TE Part # 2170704-2<br/>CAGE ASSY, QSFP28 1X1, SPRING, HS</p>    |  <p>TE Part # 2227103-2<br/>1X2 CAGE ASSY BHND BZL QSFP28</p>          |
|  <p>TE Part # 2170707-3<br/>CAGE ASSY, 1X6, QSFP28, SPRING, HS</p>       |  <p>TE Part # 2227103-1<br/>1X2 CAGE ASSY BHND BZL QSFP28</p>          |  <p>TE Part # 2170704-1<br/>CAGE ASSY, QSFP28 1X1, SPRING, HS</p>    |  <p>TE Part # 2170704-5<br/>CAGE ASSY, QSFP28 1X1, SPRING, HS</p>      |
|  <p>TE Part # 1551892-1<br/>Cage Assy Behind Bezel QSFP28</p>            |  <p>TE Part # 2227104-1<br/>1X2 CAGE ASSY, BHND BEZEL, QSFP28</p>      |  <p>TE Part # 2170703-7<br/>CAGE ASSEMBLY, QSFP28 1X1, SPRING</p>    |  <p>TE Part # 2170790-4<br/>CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p> |





TE Part # 2170703-6  
CAGE ASSEMBLY, QSFP28 1X1, SPRING

TE Part # 1551891-1  
Cage Assy, Behind Bezel, QSFP28

TE Part # 1551920-1  
zQSFP+ connector assembly

TE Part # 2-2170808-3  
QSFP28, 1X2, CAGE ASSY, SPRING, HS, LP

Also in the Series | zQSFP+/QSFP28

Heat Sinks(7)

Pluggable I/O Cable Assemblies(78)

Pluggable IO Connectors & Cages(424)

Customers Also Bought

TE Part # 2053453-4  
C/A, QSFP TO 4XSFP+, 3.0M

TE Part # 52928  
PIDG SPRSPD 22-16COM22-18MIL 5

TE Part # 1367073-1  
SFP Connectors

TE Part # 5-747908-2  
15 Plug Solder Cup, Gold Flash

TE Part # 2170707-3  
CAGE ASSY, 1X6, QSFP28, SPRING, HS

TE Part # 2-84952-0  
1MM FPC HORZ.BTTM CONT.ASS.20P

TE Part # 1734795-7  
MOD JACK,RJ45,8P8C,SHIELD, W /PANEL,30u

TE Part # 1-2127931-2  
C/A, SFP+, GENERIC, 1.0M

TE Part # 1-2127931-4  
C/A, SFP+, GENERIC, 3.0M



Documents

Product Drawings

QSFP 25GIG 30AWG 1 METER

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2333393-3\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2333393-3\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2333393-3\_A.3d\_stp.zip

English

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Product Specifications

Product Specification

English