



QSFP56

TE Internal #: 4-2333801-2
QSFP28 Cable Assembly, 16 Positions, 3.28 ft [1 m], 56 Gb/s, Black
Cable, Shielded, 30 AWG, .051 mm², Madison TurboTwin - Round
Jacketed, QSFP28 Plug

[View on TE.com >](#)

Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies > QSFP56-Two QSFP56 Cable Assembly: 30 AWG



Cable Assembly Type: **QSFP28**

Equalized: **No**

Wire Size: **.051 mm²**

Outside Cable Diameter: **5.21 mm [.205 in]**

[All QSFP56-Two QSFP56 Cable Assembly: 30 AWG \(4\)](#)

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	56 Gb/s
-----------	---------



Body Features

Equalized	No
Cable Color	Black
Cable Flammability Rating	CL2

Dimensions

Wire Size	.051 mm²
Outside Cable Diameter	5.21 mm[.205 in]

Operation/Application

Shielded	Yes
Halogen Free	No

Other

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2022 (224) 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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the



product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 <p>TE Part # 2170705-7 CAGE ASSY, QSFP28 1X1, SPRING, HS, LP</p>	 <p>TE Part # 2170747-6 CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p>	 <p>TE Part # 2170806-5 CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS</p>	 <p>TE Part # 2-2170747-2 CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p>
 <p>TE Part # 2170704-2 CAGE ASSY, QSFP28 1X1, SPRING, HS</p>	 <p>TE Part # 2227103-2 1X2 CAGE ASSY BHND BZL QSFP28</p>	 <p>TE Part # 2227103-1 1X2 CAGE ASSY BHND BZL QSFP28</p>	 <p>TE Part # 2170704-1 CAGE ASSY, QSFP28 1X1, SPRING, HS</p>
 <p>TE Part # 2170704-5 CAGE ASSY, QSFP28 1X1, SPRING, HS</p>	 <p>TE Part # 1551892-1 Cage Assy Behind Bezel QSFP28</p>	 <p>TE Part # 2227104-1 1X2 CAGE ASSY, BHND BEZEL, QSFP28</p>	 <p>TE Part # 2170703-7 CAGE ASSEMBLY, QSFP28 1X1, SPRING</p>
 <p>TE Part # 2170790-4 CAGE ASSY, 1X4, QSFP28, SPRING, HS, LP</p>	 <p>TE Part # 2170703-6 CAGE ASSEMBLY, QSFP28 1X1, SPRING</p>	 <p>TE Part # 1551891-1 Cage Assy, Behind Bezel, QSFP28</p>	 <p>TE Part # 1551920-1 zQSFP+ connector assembly</p>



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

TE Part # 2170704-4
CAGE ASSY, QSFP28 1X1, SPRING, HS

TE Part # 2170806-2
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

TE Part # 2170806-3
CAGE ASSEMBLY, 1X2, QSFP28, SPRING, HS

Also in the Series | QSFP56

Pluggable I/O Cable Assemblies(54)

Customers Also Bought

TE Part #4-2333842-4
QSFP56 to QSFP56 Cable Assembly: 26 AWG

TE Part #4-2334878-4
QSFP TO [4]SFP 56GIG 26AWG 2 METER

TE Part #2176049-4
RLP73M 1E R068 1% 1K RL

TE Part #1-1986711-8
SCREWLESS, SW,18P,5.0 PCB

TE Part #5-2176347-7
CRGCQ 2010 470K 1%

TE Part #4-2176363-9
RQ 0402 1K37 0.1% 10PPM 5K RL

TE Part #1-6450820-5
MBXLE VERT HDR 6P20S

TE Part #3-1879692-2
H8 21R 0.1% 100PPM

Documents

Product Drawings

QSFP TO (2)QSFP, 56G, 1 METER, 30AWG

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_4-2333801-2_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2333801-2_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-2333801-2_A.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 Specification](#)

English