

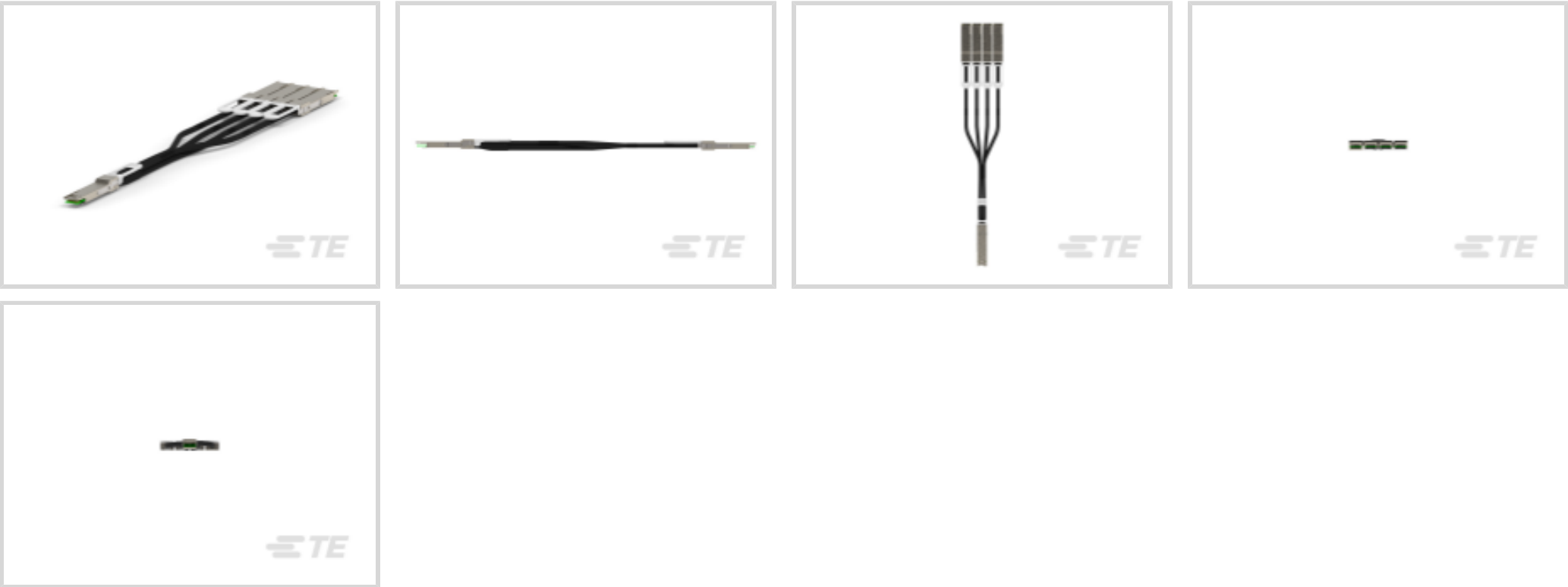


QSFP-DD

TE Internal #: 2821993-3
QSFP-DD to QSFP Cable Assembly, 32 Positions, 1.5 m [4.92 ft], 56 Gb/s, Black Cable, Shielded, 30 AWG, .25 mm², Madison TurboTwin - Round Jacketed

[View on TE.com >](#)

Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies



Cable Assembly Type: **QSFP-DD to QSFP**
Cable Assembly (End A): **QSFP-DD Plug**
Cable Assembly (End B): **QSFP Plug**
Wire Size: **.25 mm²**

Features

Product Type Features

Latching Style	Pull Tab Release
Cable Assembly Category	High Speed
Cable Assembly Type	QSFP-DD to QSFP
Cable Assembly (End A)	QSFP-DD Plug
Cable Assembly (End B)	QSFP Plug
Cable Style	Madison TurboTwin - Round Jacketed

Configuration Features

Number of Positions	32
Number of Pairs	16
Number of Signal Positions	32

Electrical Characteristics

Impedance	100 Ω
-----------	-------

Signal Characteristics

Data Rate	56 Gb/s
-----------	---------



Body Features

Jacket Material	PVC
Cable Color	Black
Cable Flammability Rating	VW-1

Mechanical Attachment

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

Housing Features

Housing Material	Zinc Alloy
------------------	------------

Dimensions

Wire Size	.25 mm²
Outside Cable Diameter	5.21 mm[.205 in]

Operation/Application

Shielded	Yes
Halogen Free	No

Other

Cable Assembly Configuration	Break Out
Cable Assembly Length	1.5 m[4.92 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	Compliant with Exemptions
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: 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

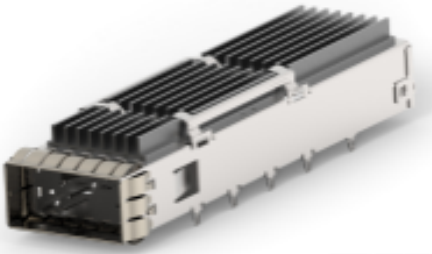
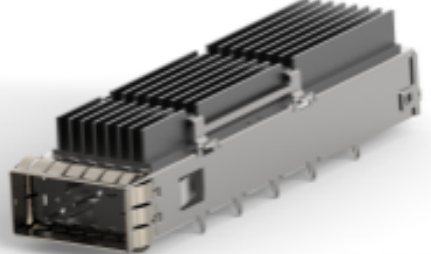
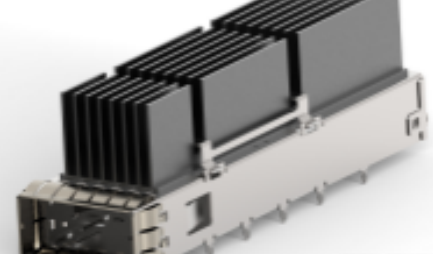
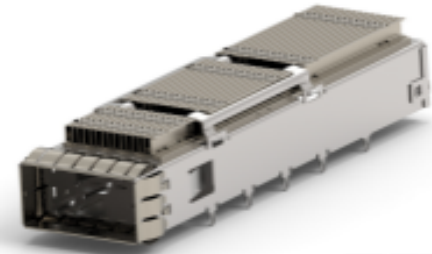
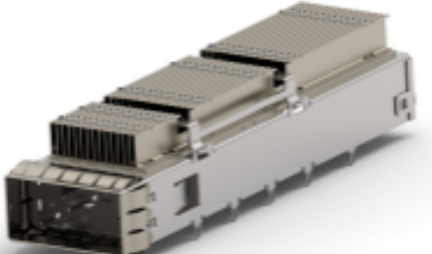
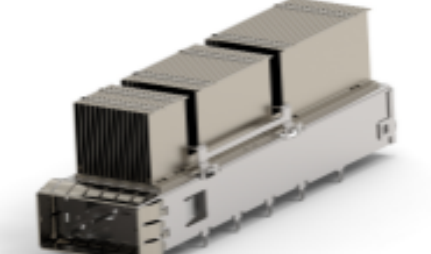
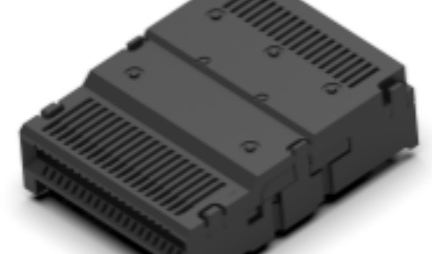
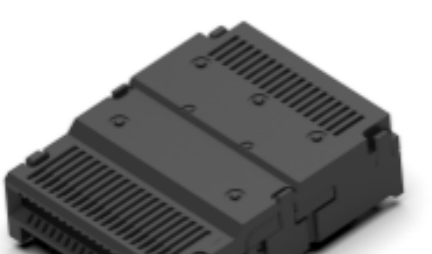
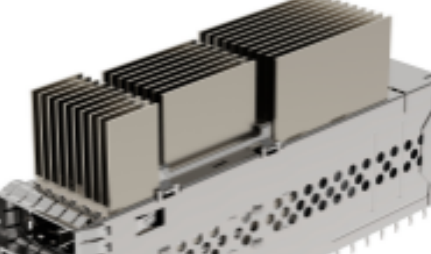
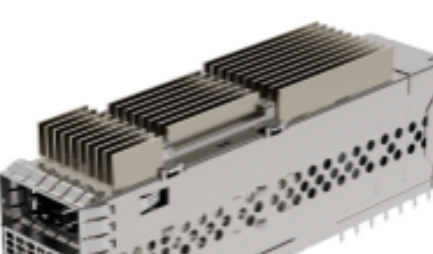
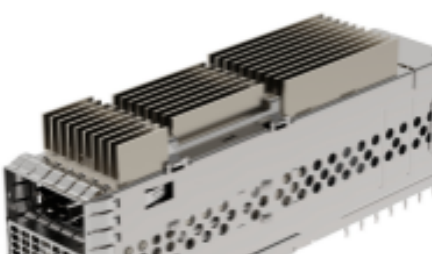
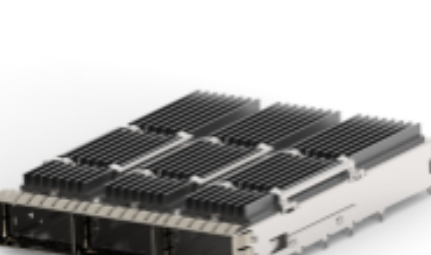
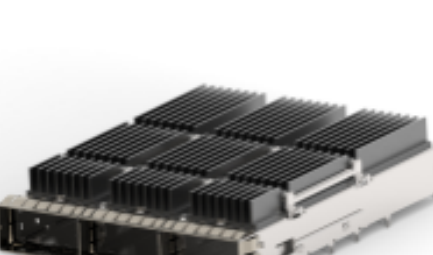
Product Compliance Disclaimer

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 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 # 2342933-1 QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS	 TE Part # 2342933-2 QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS	 TE Part # 2342933-3 QSFP-DD 1X1, STANDARD, W/ EXTRUDED HS	 TE Part # 2342934-1 QSFP-DD 1X1, STANDARD, W/ ZIPPER HS
 TE Part # 2342934-2 QSFP-DD 1X1, STANDARD, W/ ZIPPER HS	 TE Part # 2342934-3 QSFP-DD 1X1, STANDARD, W/ ZIPPER HS	 TE Part # 2343246-1 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD	 TE Part # 2318579-1 RCPT CONN R/A SMT 76 POSN QSFP- DD
 TE Part # 2318579-2 RCPT CONN R/A SMT 76 POSN QSFP- DD WSHRS	 TE Part # 2340397-1 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD	 TE Part # 2340397-2 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD	 TE Part # 2340397-3 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD
 TE Part # 2340397-4 CAGE ASSY W/ HS SPRING 2X1 QSFP- DD	 TE Part # 2342886-1 CAGE ASSY 1X3 QSFP-DD HS EXTRUTION PCI	 TE Part # 2342886-2 CAGE ASSY 1X3 QSFP-DD HS EXTRUTION SAN	 TE Part # 2342886-3 CAGE ASSY 1X3 QSFP-DD HS EXTRUTION NET





TE Part # 2342888-1
CAGE ASSY 1X3 QSFP-DD HS STACK
PCI



TE Part # 2342888-2
CAGE ASSY 1X3 QSFP-DD HS STACK
SAN



TE Part # 2342888-3
CAGE ASSY 1X3 QSFP-DD HS STACK
SAN



TE Part # 2342891-1
CAGE ASSY 1X6 QSFP-DD HS
EXTRUTION PCI

Also in the Series

QSFP-DD



Pluggable I/O Cable Assemblies(39)



Pluggable IO Connectors & Cages(36)

Customers Also Bought



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



TE Part #DT06-2S
PLG, 2P, GRY, N



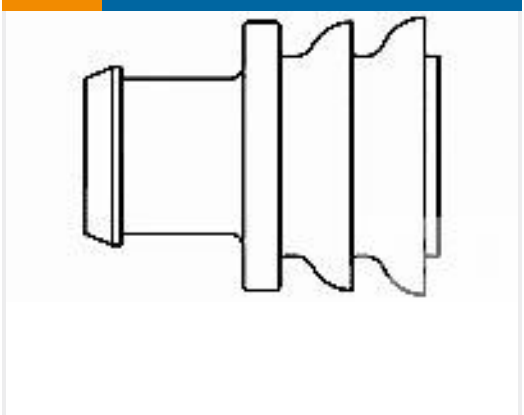
TE Part #W2S
Wedgelocks: DEUTSCH DT



TE Part #0460-202-16141
DEUTSCH Solid Contacts



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



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT

Documents

Product Drawings

DD-4_QSFP56, 30AWG 4PR, 1.5M

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2821993-3_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2821993-3_1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2821993-3_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[QSFP-DD Connectors and Cable Assemblies Portfolio Overview \(English\)](#)

English

[QSFP-DD Connectors and Cable Assemblies Portfolio Overview \(Chinese\)](#)

Product Specifications

[Product Specification](#)

English