

TE Internal #: 2340397-3  
QSFP-DD, .8mm Centerline, High Speed Data, Operating  
Temperature Range -40 – 85 °C [-40 – 185 °F], Data Rate (Max) 56  
Gb/s, 76 Position, 2 Ports  
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Connectors > Pluggable IO Connectors & Cages



Centerline (Pitch): .8 mm  
Circuit Application: **High Speed Data**  
Operating Temperature Range: -40 – 85 °C [-40 – 185 °F]  
Data Rate (Max): **56 Gb/s**  
Number of Positions: **76**

Features

Product Type Features

|                                 |           |
|---------------------------------|-----------|
| Cage Type                       | Stacked   |
| Thermal Accessory Type Included | Heat Sink |
| Form Factor                     | QSFP-DD   |

Configuration Features

|                                     |       |
|-------------------------------------|-------|
| Number of Rear EONs per Port Column | 3     |
| Number of Positions                 | 76    |
| Number of Ports                     | 2     |
| Port Matrix Configuration           | 2 x 1 |

Electrical Characteristics

|                 |         |
|-----------------|---------|
| Data Rate (Max) | 56 Gb/s |
|-----------------|---------|

Body Features

|                        |            |
|------------------------|------------|
| Heat Sink Style        | Fin        |
| Heat Sink Finish       | Anodized   |
| Heat Sink Height Class | Networking |

Contact Features

|                                               |      |
|-----------------------------------------------|------|
| PCB Contact Termination Area Plating Material | Gold |
|-----------------------------------------------|------|

Termination Features

|  |  |
|--|--|
|  |  |
|--|--|



|                           |               |
|---------------------------|---------------|
| Termination Method to PCB | Surface Mount |
|---------------------------|---------------|

Housing Features

|                    |                 |
|--------------------|-----------------|
| Cage Material      | Stainless Steel |
| Centerline (Pitch) | .8 mm           |

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

|                            |                 |
|----------------------------|-----------------|
| Pluggable I/O Applications | QSFP DD         |
| Circuit Application        | High Speed Data |

Packaging Features

|                  |      |
|------------------|------|
| Packaging Method | Tray |
|------------------|------|

Other

|                              |                               |
|------------------------------|-------------------------------|
| Included Lightpipe           | No                            |
| EMI Containment Feature Type | Internal/External EMI Springs |

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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 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>

Compatible Parts

|                                                                                                                                            |                                                                                                                                            |                                                                                                                                              |                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # 2327687-2<br>DD-8_SFP56, 32AWG, 1.0M        | <br>TE Part # 2821994-3<br>DD-4_QSFP56, 28AWG 4PR, 2.0M   | <br>TE Part # 2327689-3<br>DD-8_SFP56, 28AWG, 2.0M        | <br>TE Part # 2821986-3<br>DD-2_QSFP56, 32AWG 8PR, 1.5M   |
| <br>TE Part # 2821986-2<br>DD-2_QSFP56, 32AWG 8PR, 1.0M | <br>TE Part # 2821992-2<br>DD-4_QSFP56, 32AWG 4PR, 1.0M | <br>TE Part # 2327687-1<br>DD-8_SFP56, 32AWG, 0.5M      | <br>TE Part # 2323767-3<br>DD-DD, 28AWG 2-8PR, 2.0M     |
| <br>TE Part # 2323765-3<br>DD-DD, 32AWG 2-8PR, 1.5M     | <br>TE Part # 2323767-1<br>DD-DD, 28AWG 2-8PR, 1.0M     | <br>TE Part # 2821988-1<br>DD-2_QSFP56, 28AWG 8PR, 1.0M | <br>TE Part # 2821993-3<br>DD-4_QSFP56, 30AWG 4PR, 1.5M |
| <br>TE Part # 2323766-2<br>DD-DD, 30AWG 2-8PR, 1.0M     | <br>TE Part # 2323767-4<br>DD-DD, 28AWG 2-8PR, 2.5M     | <br>TE Part # 2323766-3<br>DD-DD, 30AWG 2-8PR, 1.5M     | <br>TE Part # 2821988-4<br>DD-2_QSFP56, 28AWG 8PR, 2.5M |





TE Part # 2821992-3  
DD-4\_QSFP56, 32AWG 4PR, 1.5M



TE Part # 2821993-2  
DD-4\_QSFP56, 30AWG 4PR, 1.0M



TE Part # 2327687-3  
DD-8\_SFP56, 32AWG, 1.5M

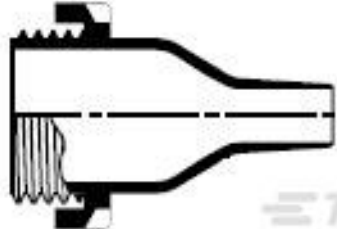


TE Part # 2821992-1  
DD-4\_QSFP56, 32AWG 4PR, 0.5M

Customers Also Bought



TE Part #20017615-05  
VCS-05 Liquid Level Sensor



TE Part #961931-000  
207W213-25-G01-0



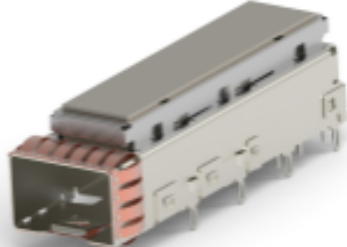
TE Part #4-1879127-0  
RN 0402 340R 0.1% 10PPM CUT LENGTH



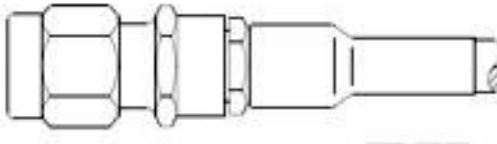
TE Part #2057833-1  
SFP+ Enhanced 1x4 Cage Assy



TE Part #2-2301994-3  
RJ45 JACK INT.MAG. 1GB LED 1X1



TE Part #2358986-1  
SFP+ 1x1 Cage Assembly, Thermal Bridge



TE Part #1051810-1  
SMA CABLE PLUG 2031 8125 92



TE Part #2007793-3  
IMP100S,H,V3P16C,LG,OEWS39,5.5

Documents

Product Drawings

CAGE ASSY W/ HS SPRING 2X1 QSFP-DD

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_2340397-3\_1.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_2340397-3\_1.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2340397-3\_1.3d\_stp.zip

English

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Datasheets & Catalog Pages

QSFP-DD Connectors and Cable Assemblies Portfolio Overview (English)

English

Product Specifications

Application Specification

English