



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Plug Connectors



Number of Positions: 6

Connector & Housing Type: **Housing for Female Terminals**

Mating Pin Diameter: 1.59 mm [.063 in ]

Connector System: **Wire-to-Wire**

Centerline (Pitch): 4.44 mm [.175 in ]

[All DEUTSCH DT Plug Connectors \(204\)](#)

Features

Industry Standards

|   |                                    |
|---|------------------------------------|
| IP Rating                                 | IP6K9K, IP68                       |
| Compatible With Agency/Standards Products | SAE J2030                          |
| UL Flammability Rating                    | 12mm Flame Test per Standard UL-94 |

Dimensions

|                                      |                                |
|--------------------------------------|--------------------------------|
| Row-to-Row Spacing                   | 4.45 mm[.175 in]               |
| Compatible Insulation Diameter Range | 2.23 – 3.68 mm[.088 – .145 in] |
| Product Width                        | 20.83 mm[.82 in]               |
| Product Length                       | 32.21 mm[1.268 in]             |
| Connector Height                     | 24.03 mm[.946 in]              |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 800 |
| Packaging Method   | Box |



Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Strain Relief               | Add By Accessory           |
| Terminal Position Assurance | Yes                        |
| Mating Alignment Type       | Polarized                  |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Other

|                                      |           |
|--------------------------------------|-----------|
| Serviceable                          | Yes       |
| Connector Position Assurance Capable | No        |
| EU RoHS Compliance                   | Compliant |
| EU ELV Compliance                    | Compliant |

Electrical Characteristics

|                              |         |
|------------------------------|---------|
| Operating Voltage            | 250 VDC |
| Nominal Voltage Architecture | 250 V   |

Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Primary Product Color | Black |

Housing Features

|                    |                   |
|--------------------|-------------------|
| Housing Material   | PA GF             |
| Centerline (Pitch) | 4.44 mm [.175 in] |

Contact Features

|                              |                   |
|------------------------------|-------------------|
| Contact Size                 | Size 16           |
| Contact Type                 | Socket            |
| Mating Pin Diameter          | 1.59 mm [.063 in] |
| Contact Current Rating (Max) | 13 A              |

Product Type Features

|                          |                              |
|--------------------------|------------------------------|
| Mixed & Hybrid Connector | No                           |
| Connector Shape          | Rectangular                  |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System         | Wire-to-Wire                 |
| Sealable                 | Yes                          |
| Primary Locking Feature  | Integrated in Housing        |



|                                   |              |
|-----------------------------------|--------------|
| Connector & Contact Terminates To | Wire & Cable |
|-----------------------------------|--------------|

Configuration Features

|                        |                                  |
|------------------------|----------------------------------|
| Blank Cavity Position  | 0                                |
| Connector Modification | Enhanced Seal Retention, End Cap |
| Number of Positions    | 6                                |
| Number of Rows         | 2                                |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br><small>Article Safe Usage Statements:<br/>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.</small> |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.   |
| Solder Process Capability                     | Not reviewed for solder process capability   |












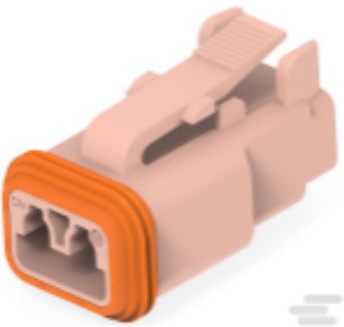


Product Compliance Disclaimer

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

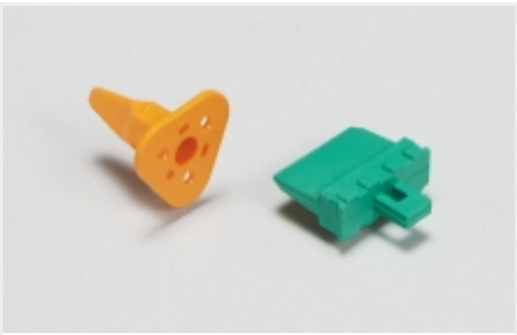


will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or 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 # 1010-070-0606<br/>SEAL, INTF, 6P, RED-ORG, SL RET, DT</p> |  <p>TE Part # 776363-1<br/>SEALING PLUG, SZ 16 CAVITY</p>                           |  <p>TE Part # 2484670-3<br/>REC, 6P, BLK, N, FLANGE</p>               |  <p>TE Part # CAT-D48-SP729<br/>DEUTSCH Sealing Plugs</p>       |
|  <p>TE Part # DT-RT1<br/>EXT TOOL, FRONT RELEASE</p>                   |  <p>TE Part # 1011-347-0605<br/>DUST CAP, 6P, PLG, BLK, DT</p>                    |  <p>TE Part # CAT-D48-ST273<br/>DEUTSCH Solid Contacts</p>          |  <p>TE Part # CAT-J41-DDPC<br/>DEUTSCH DT Plug Connectors</p> |
|  <p>TE Part # W6S-P012<br/>WEDGE LOCK, 6P, PLG, GRN, SL RET, DT</p>    |  <p>TE Part # CAT-J41-DDRC<br/>DEUTSCH DT Receptacle Connectors</p>               |  <p>TE Part # CAT-D487-H342<br/>DEUTSCH DT Headers</p>              | <p>TE Part # 1062-14-0177<br/>SOC, SF, SIZE 16, 14-18, SN/SN</p>   |
|  <p>TE Part # CAT-J41-DDCC<br/>DEUTSCH DT Color Connectors</p>         |  <p>TE Part # CAT-D487-CH8172<br/>DEUTSCH DT Series Housings &amp; Connectors</p> |  <p>TE Part # CAT-J67-DSCC16<br/>DEUTSCH Size 16 Crimp Contacts</p> |  |

Also in the Series | DEUTSCH DT



Automotive Connector Locks & Position Assurance(90)



Automotive Headers(107)



Automotive Housings(738)



Connector Caps & Covers(1)



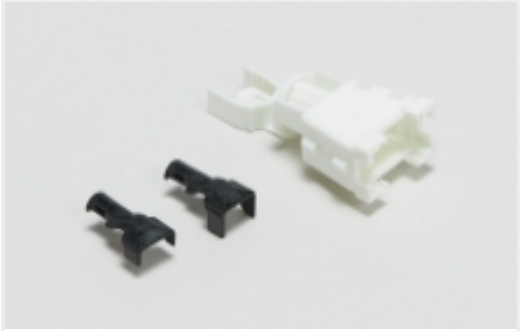
Connector Strain Relief(31)



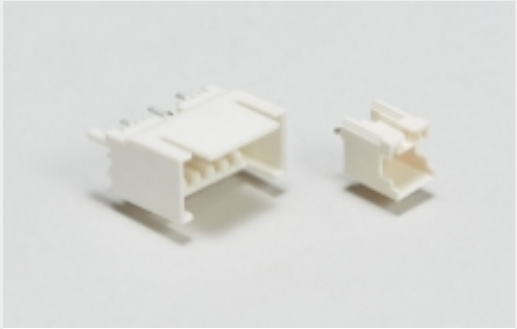
Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



Rectangular Backshells & Clamps(3)



Wire-to-Board Headers & Receptacles (106)

Customers Also Bought



TE Part #CAT-D487-W416  
Wedgelocks: DEUTSCH DT



TE Part #CAT-J41-DDPC  
DEUTSCH DT Plug Connectors



TE Part #CAT-J41-DDRC  
DEUTSCH DT Receptacle Connectors

Documents

Product Drawings

PLG, 6P, BLK, N, SEAL RET, CAP

English

CAD Files

3D PDF

3D

Customer View Model



[ENG\\_CVM\\_CVM\\_DT06-6S-EP06\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-6S-EP06\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-6S-EP06\\_B.3d\\_stp.zip](#)

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

[DEUTSCH DT Enhanced Seal Retention Connectors](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

CONNECTOR SELECTOR

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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