



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



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

Number of Positions: **8**

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

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

Sealable: **Yes**

[All DEUTSCH DT Plug Connectors \(220\)](#)

Features

Product Type Features

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

Configuration Features

|                       |        |
|-----------------------|--------|
| Blank Cavity Position | 0      |
| Connector Seal Code   | E Seal |
| Number of Positions   | 8      |
| Number of Rows        | 2      |



Electrical Characteristics

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

Body Features

|                         |      |
|-------------------------|------|
| Cable Exit Angle        | 180° |
| Primary Product Color   | Gray |
| Connector & Keying Code | A    |

Contact Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

|                                      |                               |
|--------------------------------------|-------------------------------|
| Connector Height                     | 37.21 mm[1.465 in]            |
| Product Width                        | 22.15 mm[.872 in]             |
| Product Length                       | 44.25 mm[1.742 in]            |
| Row-to-Row Spacing                   | 9.12 mm[.359 in]              |
| Compatible Insulation Diameter Range | 1.35 – 3.05 mm[.053 – .12 in] |

Usage Conditions

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

Operation/Application

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



Industry Standards

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

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 400 |
| Packaging Method   | Box |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

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><b>Article Safe Usage Statements:</b><br>Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Product Compliance Disclaimer

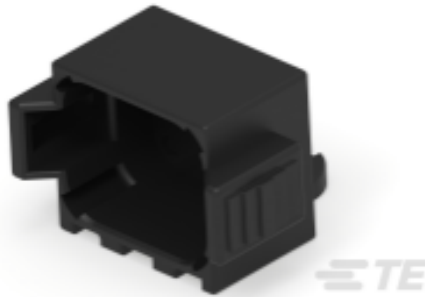
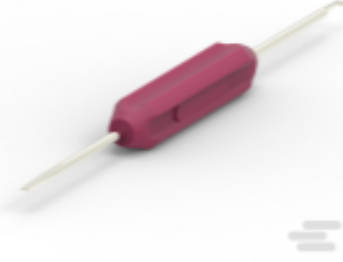
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



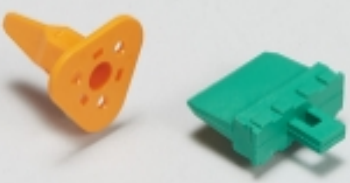


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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 # CAT-D487-H342<br/>DEUTSCH DT Headers</p>                    |  <p>TE Part # CAT-J67-DSCC16<br/>DEUTSCH Size 16 Crimp Contacts</p> |  <p>TE Part # CAT-J41-DDRC<br/>DEUTSCH DT Receptacle Connectors</p> |  <p>TE Part # 1011-348-0805<br/>DUST CAP, 8P, PLG, BLK, DT</p> |
|  <p>TE Part # CAT-D487-W416<br/>Wedgelocks: DEUTSCH DT</p>              |  <p>TE Part # CAT-D48-ST273<br/>DEUTSCH Solid Contacts</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 # 1010-063-0806<br/>SEAL, INTF, 8P, RED-ORG, SL RET, DT</p> |  <p>TE Part # DT04-08PA-CE26</p>                                  |  <p>TE Part # 1062-14-0177<br/>SOC, SF, SIZE 16, 14-18, SN/SN</p> |                                                                                                                                                   |

Also in the Series | DEUTSCH DT

|                                                                                                                                            |                                                                                                                                                        |                                                                                                                       |                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers<br/>(19)</p> |  <p>Automotive Connector Locks &amp;<br/>Position Assurance(87)</p> |  <p>Automotive Housings(706)</p> |  <p>Connector Backshells(61)</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|





Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #DTM04-4P-E005  
DEUTSCH DTM Housings



TE Part #DRC16-70SAE  
DEUTSCH DRC Housings



TE Part #DT04-12PA-CE09  
DEUTSCH DT Receptacle Connectors



TE Part #K1126415  
Relay 29-111-12A



TE Part #63138-1  
110 FASTON REC 22-18 AWG TPBR



TE Part #1-480388-0  
03P CMNL PLUG HSG F/H BLK



TE Part #DT12P-BT  
BOOT, 12P, REC, ST, GRY

Documents

Product Drawings  
PLG, 8P, GRY, E, XCAP, A  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_DT06-08SA-CE04\_B.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-08SA-CE04\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-08SA-CE04\\_B.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

CONNECTOR SELECTOR

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English