



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Receptacle Connectors



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

Number of Positions: **6**

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

Centerline (Pitch): **3.81 mm [.15 in]**

Sealable: **Yes**

[All DEUTSCH DT Receptacle Connectors \(247\)](#)

Features

Product Type Features

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

Configuration Features

|                        |                        |
|------------------------|------------------------|
| Blank Cavity Position  | 0                      |
| Connector Modification | Sealed Flange, End Cap |
| Number of Positions    | 6                      |
| Number of Rows         | 2                      |

Electrical Characteristics

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

Body Features

|                  |      |
|------------------|------|
| Cable Exit Angle | 180° |
|------------------|------|



|                                           |                                    |
|-------------------------------------------|------------------------------------|
| Primary Product Color                     | Black                              |
| Contact Features                          |                                    |
| Contact Size                              | Size 16                            |
| Contact Type                              | Pin                                |
| 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                     | Polarized                          |
| Mating Alignment                          | With                               |
| Connector Mounting Type                   | Panel Mount                        |
| Housing Features                          |                                    |
| Housing Material                          | PA GF                              |
| Centerline (Pitch)                        | 3.81 mm[.15 in]                    |
| Dimensions                                |                                    |
| Connector Height                          | 54.74 mm[2.155 in]                 |
| Product Width                             | 30.99 mm[1.22 in]                  |
| Product Length                            | 47.45 mm[1.868 in]                 |
| Row-to-Row Spacing                        | 4.45 mm[.175 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                   | 200 |
| 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



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



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



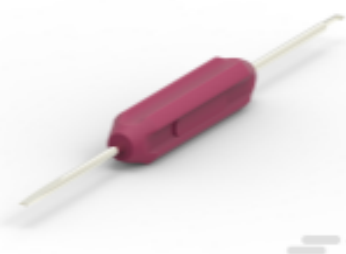
TE Part # W6P  
WEDGE LOCK, 6P, REC, GRN, DT



TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts



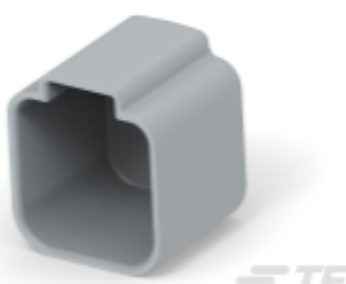
TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # DT6P-DC  
PROTECT CVR, 6P, REC, GRY, DT



TE Part # 776364-1  
SEALING PLUG, SZ 20 CAVITY



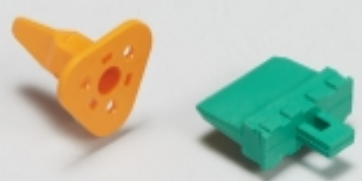
TE Part # CAT-D487-CH8172  
DEUTSCH DT Series Housings & Connectors

TE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed Contacts

Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(705)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



Customers Also Bought

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_DT04-6P-CL09\_99\_c-dt04-6p-cl09-99.2d\_dxf.zip
- English
- Customer View Model
- ENG\_CVM\_CVM\_DT04-6P-CL09\_99\_c-dt04-6p-cl09-99.3d\_igs.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-6P-CL09\\_99\\_c-dt04-6p-cl09-99.3d\\_stp.zip](#)

English

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

Datasheets & Catalog Pages

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

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Agency Approvals

[UL Report](#)

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