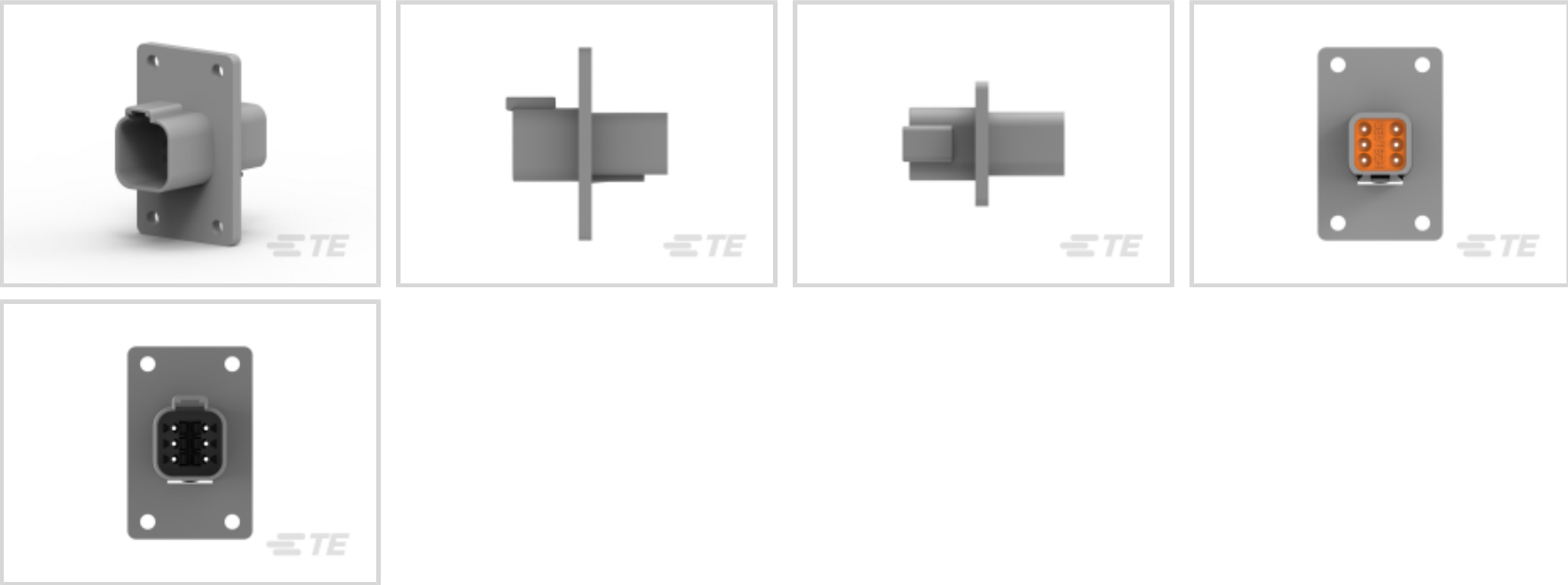




Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Receptacle Connectors



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

Number of Positions: **6**

Connector & Housing Type: **Receptacle**

Centerline (Pitch): **9.1 mm [ .358 in ]**

Sealable: **Yes**

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

Features

Product Type Features

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

Configuration Features

|                       |        |
|-----------------------|--------|
| Blank Cavity Position | 0      |
| Connector Seal Code   | N Seal |
| Number of Positions   | 6      |
| Number of Rows        | 3      |

Electrical Characteristics



|                   |         |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

Body Features

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

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | Size 16         |
| Contact Type                 | Pin             |
| Mating Pin Diameter          | 1.6 mm[.063 in] |
| Contact Current Rating (Max) | 13 A            |

Mechanical Attachment

|                             |             |
|-----------------------------|-------------|
| Terminal Position Assurance | No          |
| Strain Relief               | Without     |
| Mating Alignment Type       | Polarized   |
| Mating Alignment            | With        |
| Connector Mounting Type     | Panel Mount |

Housing Features

|                    |                 |
|--------------------|-----------------|
| Housing Material   | PA66 GF15       |
| Centerline (Pitch) | 9.1 mm[.358 in] |

Dimensions

|                                      |                             |
|--------------------------------------|-----------------------------|
| Connector Height                     | 45.9 mm[1.8 in]             |
| Product Width                        | 35.5 mm[1.39 in]            |
| Product Length                       | 55 mm[2.16 in]              |
| Row-to-Row Spacing                   | 4.45 mm[.175 in]            |
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 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 | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 1   |
| Packaging Method   | Bag |

Other

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

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

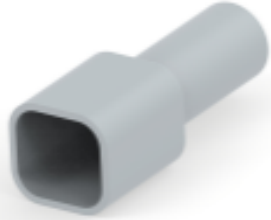
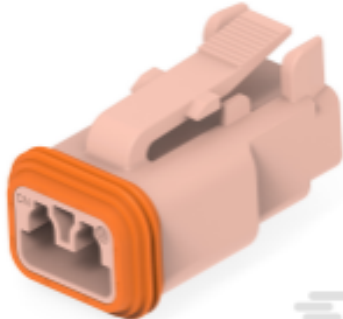
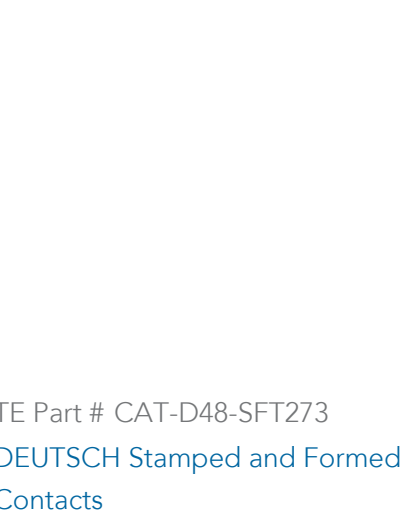
|                                               |                                                                                                                                                                                                                                                           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

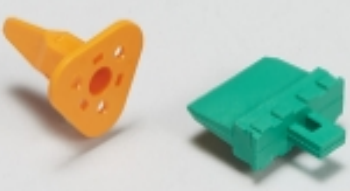
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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-J41-DDPC<br/>DEUTSCH DT Plug Connectors</p>                       |  <p>TE Part # CAT-D48-ST273<br/>DEUTSCH Solid Contacts</p>                 |  <p>TE Part # CAT-D487-B128<br/>DEUTSCH DT Backshells</p>     |  <p>TE Part # W6P<br/>WEDGE LOCK, 6P, REC, GRN, DT</p>           |
|  <p>TE Part # CAT-J67-DSCC16<br/>DEUTSCH Size 16 Crimp 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 # DT6P-BT<br/>BOOT, 6P, REC, ST, GRY</p>            |
|  <p>TE Part # DT6P-BT-BK<br/>BOOT, 6P, REC, ST, BLK</p>                           |  <p>TE Part # 2300908-1<br/>0460-003-16329, PIN, SOLID, 20-24AWG, AU</p> |  <p>TE Part # DT6P-DC<br/>PROTECT CVR, 6P, REC, GRY, DT</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-D48-SFT273<br/>DEUTSCH Stamped and Formed Contacts</p> |                                                                                                                                                  |                                                                                                                                                     |

Also in the Series | DEUTSCH DT

|                                                                                                                                            |                                                                                                                                                    |                                                                                                                       |                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers<br/>(19)</p> |  <p>Automotive Connector Locks &amp; Position Assurance(87)</p> |  <p>Automotive Housings(705)</p> |  <p>Connector Backshells(61)</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|

DT04-6P-L012

Receptacle, Wire-to-Panel, 6 Position, 9.1 mm [.358 in] Centerline, Sealable, Gray, Wire & Cable, Power, Panel Mount, DEUTSCH DT



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 #DT04-2P-L012  
DEUTSCH DT Receptacle Connectors

TE Part #DT06-6S  
PLG, 6P, GRY, N

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

TE Part #DRC26-50BT  
BOOT, 50P, 20SZ, PLG/REC, ST, BLK

TE Part #2310364-1  
1062-16-0622

Documents

Product Drawings  
REC, 6P, GRY, N, FLANGE

English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_DT04-6P-L012\_E.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-6P-L012\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-6P-L012\\_E.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

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English