

DT06-2S-C017 ✓ ACTIVE

DEUTSCH | DEUTSCH DT

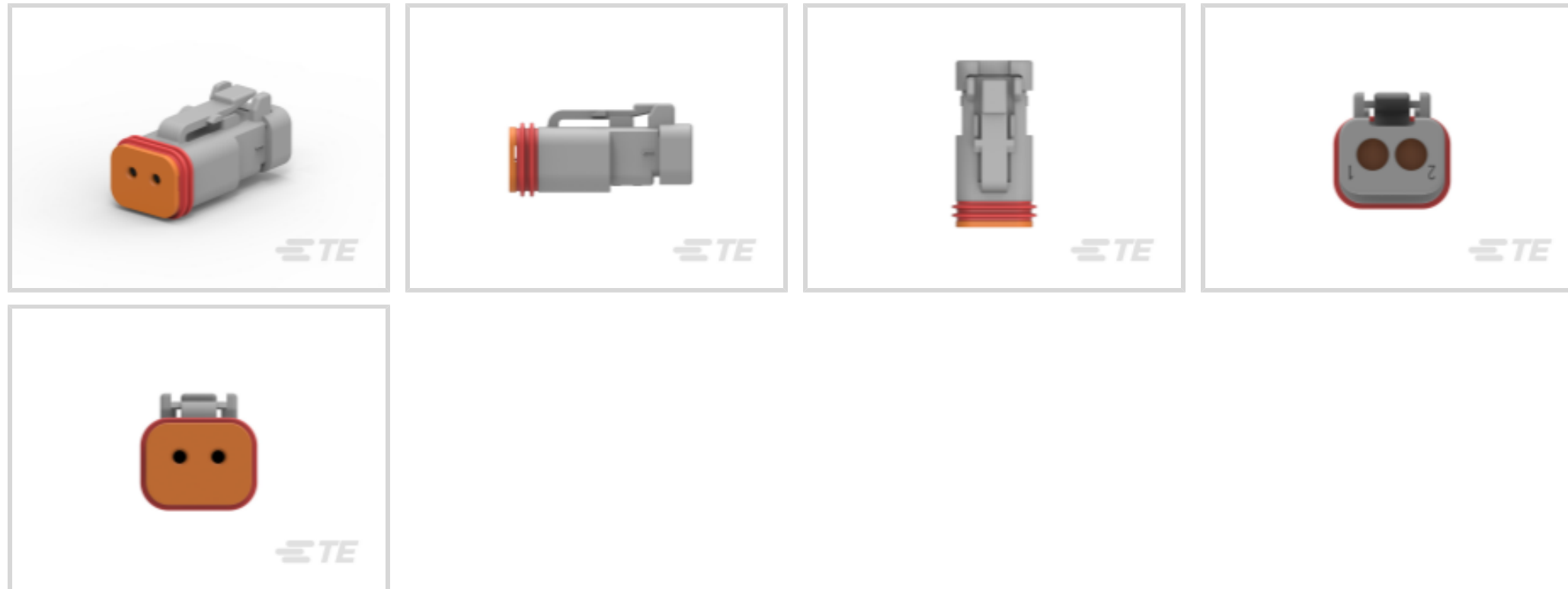
TE Internal #: DT06-2S-C017

Housing for Female Terminals, Wire-to-Wire, 2 Position, .215 in [5.46 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT Series Housings & Connectors



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

Mating Pin Diameter: **1.59 mm [ .063 in ]**

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

Number of Positions: **2**

Centerline (Pitch): **5.46 mm [ .215 in ]**

[All DEUTSCH DT Series Housings & Connectors \(461\)](#)

## Features

### Product Type Features

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

### Configuration Features

|                        |                             |
|------------------------|-----------------------------|
| Blank Cavity Position  | 1, 2                        |
| Connector Modification | Solid Rear Grommet, End Cap |
| Number of Positions    | 2                           |
| Number of Rows         | 1                           |

### Electrical Characteristics

|                              |                  |
|------------------------------|------------------|
| Operating Voltage            | 250 VAC          |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Body Material         | PA GF |
| Primary Product Color | Gray  |

### Contact Features

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

### Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Mounting Feature            | Without                    |
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Add By Accessory           |
| Mating Alignment Type       | Polarized                  |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

### Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 5.46 mm[.215 in] |
|--------------------|------------------|

### Dimensions

|                |                    |
|----------------|--------------------|
| Product Width  | 15.01 mm[.591 in]  |
| Product Length | 32.46 mm[1.278 in] |
| Product Height | 15.77 mm[.621 in]  |

### Usage Conditions

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

### Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

### Industry Standards

|                      |              |
|----------------------|--------------|
| Agency/Standard      | SAE J2030    |
| Degree of Protection | IP68, IP6K9K |



|                        |                                    |
|------------------------|------------------------------------|
| UL Flammability Rating | 12mm Flame Test per Standard UL-94 |
|------------------------|------------------------------------|

### Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 1600 |
| 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: JAN 2022 (223)<br>Candidate List Declared Against: JAN 2022 (223)<br>Does not contain REACH SVHC |
| 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-D487-H342  
DEUTSCH DT HEADERS



TE Part # DT04-2P  
REC, 2P, GRY, N



TE Part # 1011-344-0205  
DUST CAP, 2P, PLG, BLK, DT



TE Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



TE Part # CAT-D48-SFT273  
DEUTSCH STAMPED & FORMED CONTACTS

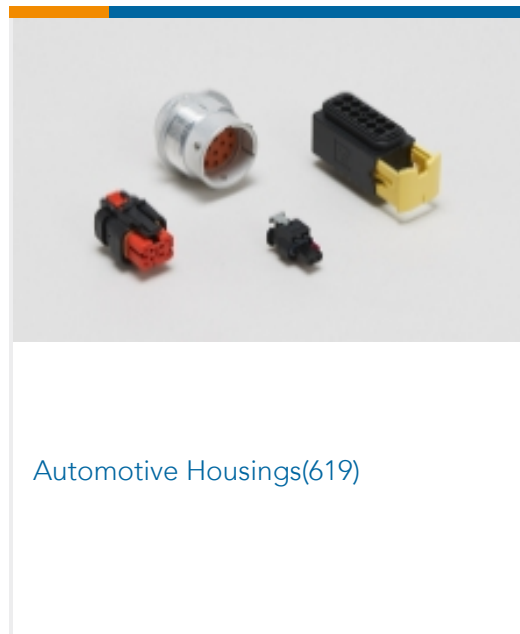
## Also in the Series | DEUTSCH DT



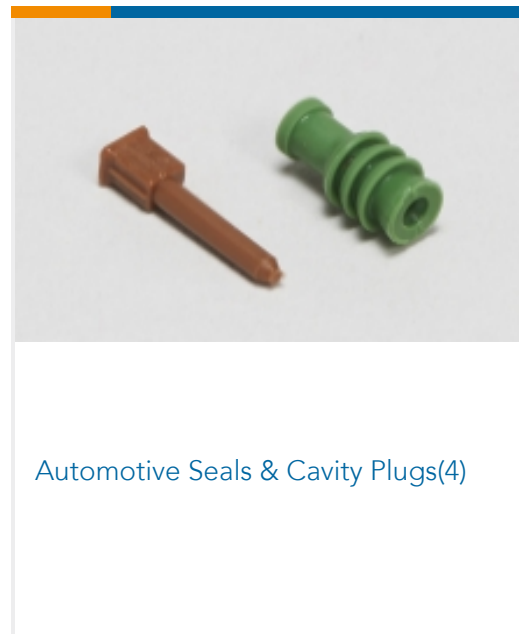
Automotive Connector Caps & Covers  
(98)



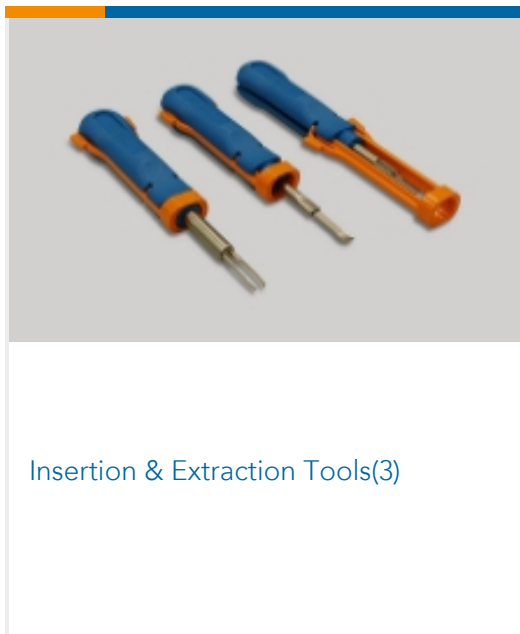
Automotive Connector Locks &  
Position Assurance(73)



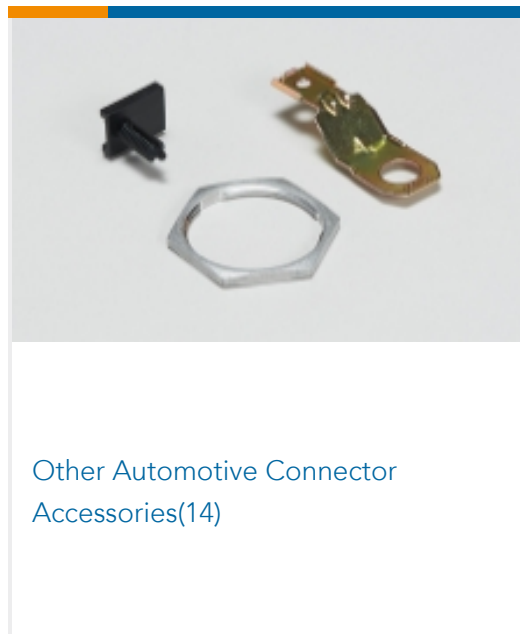
Automotive Housings(619)



Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(3)



Other Automotive Connector  
Accessories(14)



PCB Headers & Receptacles(106)

## Customers Also Bought



TE Part #DTM04-08PA-E003  
REC, 8P, GRY, N, CAP, A



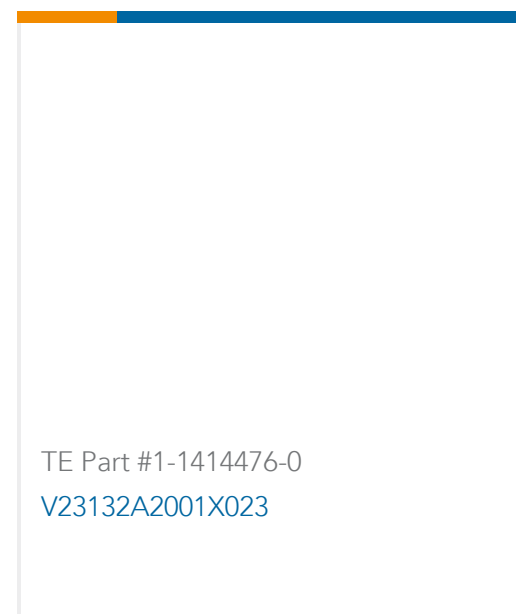
TE Part #K1128688  
Battery Disconnecter 35-411-130-R-900



TE Part #K1145038  
Battery Disconnecter 35-524-230-R-901



TE Part #K1145355  
Rotary Switch DS-221-RT1



## Documents

### Product Drawings

[PLG, 2P, GRY, BLOCKED](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_DT06-2S-C017\\_99\\_c-dt06-2s-c017-99.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_DT06-2S-C017\\_99\\_c-dt06-2s-c017-99.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_DT06-2S-C017\\_99\\_c-dt06-2s-c017-99.3d\\_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

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

### Agency Approvals

[UL Report](#)



English