



DEUTSCH | DEUTSCH DT

TE Internal #: DT06-2S-CE03

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

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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	0
Connector Seal Code	E Seal
Number of Positions	2
Number of Rows	1

**Electrical Characteristics**



Operating Voltage	250 VAC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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### Body Features

Cable Exit Angle	180°
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Body Material	PA GF
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Primary Product Color	Black
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### Contact Features

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

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

Centerline (Pitch)	5.46 mm [.215 in]
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### Dimensions

Product Width	15.01 mm [.591 in]
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Product Length	31.19 mm [1.228 in]
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Product Height	15.77 mm [.621 in]
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Accepts Wire Insulation Diameter Range	1.35 – 3.05 mm [.053 – .12 in]
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### Usage Conditions

Operating Temperature (Max)	125 °C [257 °F]
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Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Industry Standards

Agency/Standard	SAE J2030
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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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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-CH8172  
DEUTSCH DT Series Housings & Connectors



TE Part # CAT-D48-SP729  
DEUTSCH SEALING PLUGS



TE Part # CAT-D487-W416  
DEUTSCH DT WEDGELOCKS




TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # CAT-D487-H342  
DEUTSCH DT HEADERS



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



TE Part # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



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



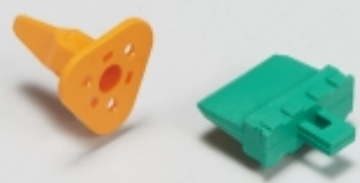
TE Part # DT04-2P-61177  
DT RECPT 2way, INTERFACE

TE Part # DTF13-2PB  
HDR, 2P, BLK, RA, SN/NI/CU, B


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 #1534791-1  
ADAPTER 180DEG 4/7POS



TE Part #2272168-1  
MCON WIRE DRESS, 2P PLUG,  
STRAIGHT



TE Part #1-1924067-4  
2POS, MCON 1.2 CB REC 2p TL  
SEALED



TE Part #1747731-1  
0.64/1.0 SEALED 49POS PLUG ASSY,  
C KEY



TE Part #160467-2  
RT IS 1.0-2.5MM2 0.315 X .708 TPBR



TE Part #925467-1  
POS-MATE REC HSG 4P



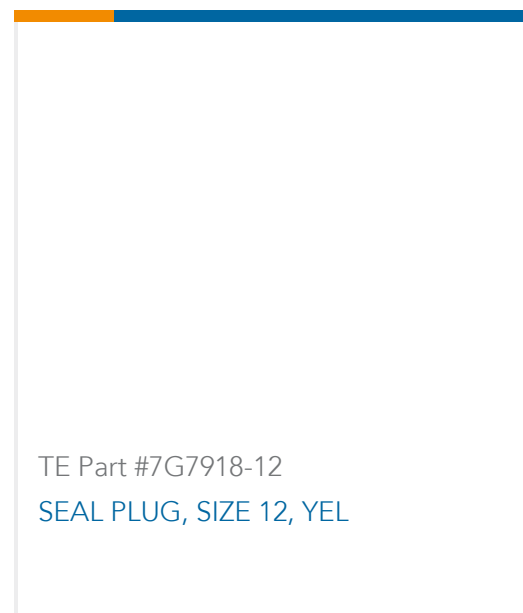
TE Part #2360002-1  
REC CONN CVR ASSY,96POS,AMP  
MCP 2.8



TE Part #180-DTP04  
BKSHL, 4P, BLK, PLG, ST, SIDE AB,  
NW 16



TE Part #1747140-1  
SEALED EFI ECU 0.64/2.3II 60POS  
PLUG ASS



TE Part #7G7918-12  
SEAL PLUG, SIZE 12, YEL

## Documents

### Product Drawings

PLG, 2P, BLK, E, CAP

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-2S-CE03\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-2S-CE03\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-2S-CE03\\_A.3d\\_stp.zip](#)

English

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## Product Specifications



### Application Specification

English

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### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

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### Agency Approvals

#### UL Report

English