

DT06-2S ✓ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-2S

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	0
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
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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

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]
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Dimensions

Product Width	15.01 mm[.591 in]
Product Length	28.4 mm[1.118 in]
Product Height	15.77 mm[.621 in]
Accepts Wire Insulation Diameter Range	2.23 – 3.68 mm[.087 – .144 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
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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	1800
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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)
 Candidate List Declared Against: JAN 2022 (223)
 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-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # CAT-D487-B128
DEUTSCH DT BACKSHELLS



TE Part # CAT-D487-W416
DEUTSCH DT WEDGELOCKS



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-D487-M8649
DEUTSCH DT MOUNTING CLIPS



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



TE Part # 776363-1
SEALING PLUG, SZ 16 CAVITY



TE Part # 1-2297507-1
2POS,CE,PIN HSG,16, DT, CODE A, ASSY,SLD



TE Part # DT2S-BT
BOOT, 2P, PLG, ST, GRY



TE Part # DT2S-BT-BK
BOOT, 2P, PLG, ST, BLK



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



TE Part # DT2S-BT-YW
BOOT, 2P, PLG, ST, YEL




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


Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers (98)



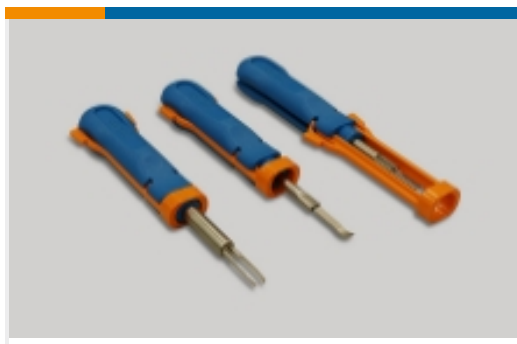
Automotive Connector Locks & Position Assurance(73)



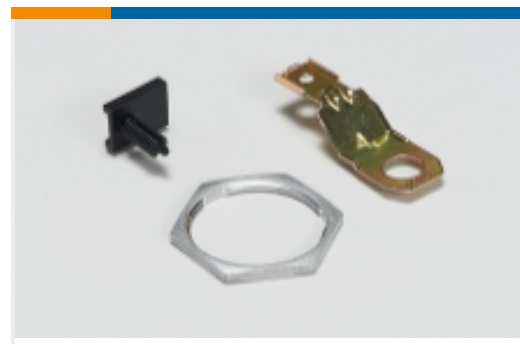
Automotive Housings(619)



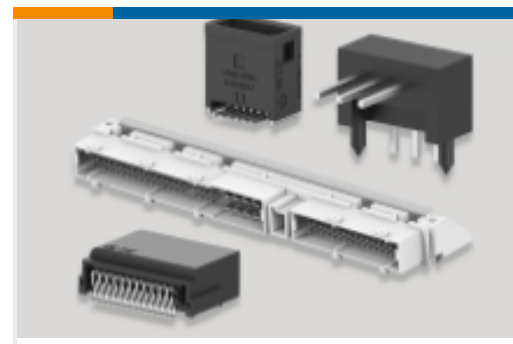
Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(3)

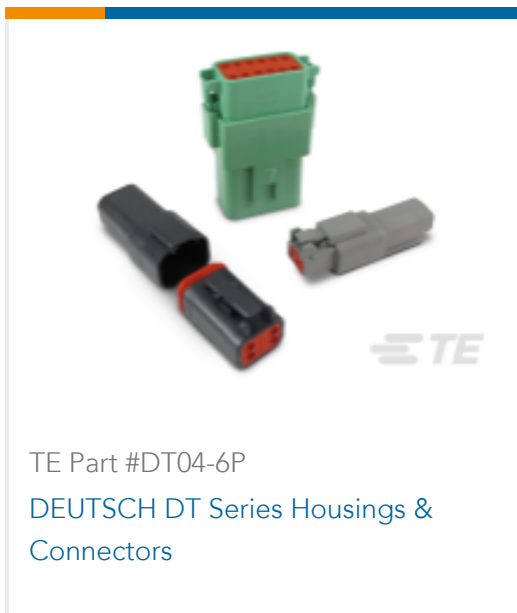


Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #DT04-6P
DEUTSCH DT Series Housings & Connectors



TE Part #W8S
DEUTSCH DT WEDGELOCKS

Documents

Product Drawings

PLG, 2P, GRY, N

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_DT06-2S_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-2S_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-2S_A.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

[MD_DT06-2S_02022018127_dmtec](#)

English

[MD_DT06-2S_02022018127_dmtec](#)

English

Agency Approvals

[UL Report](#)

English