

DT06-6S-C017 ✓ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S-C017

6 Position Housing, Housing for Female Terminals, Wire-to-Wire, 4.44 mm [.175 in] Centerline, Sealable, Gray, Wire & Cable, Power, DEUTSCH DT

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Plug Connectors



Number of Positions: 6

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

Mating Pin Diameter: 1.59 mm [.063 in]

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

Centerline (Pitch): 4.44 mm [.175 in]

[All DEUTSCH DT Plug Connectors \(204\)](#)

Features

Industry Standards

IP Rating	IP6K9K, IP68
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	12mm Flame Test per Standard UL-94

Dimensions

Row-to-Row Spacing	4.45 mm [.175 in]
Product Width	20.83 mm [.82 in]
Product Length	33.48 mm [1.318 in]
Connector Height	24.03 mm [.946 in]

Packaging Features

Packaging Quantity	800
Packaging Method	Box

Mechanical Attachment



Strain Relief	Add By Accessory
Terminal Position Assurance	Yes
Mating Alignment Type	Polarized
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.44 mm [.175 in]

Contact Features

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

Product Type Features

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



Configuration Features

Blank Cavity Position	5, 4, 1, 6, 3, 2
Connector Modification	Solid Rear Grommet, End Cap
Number of Positions	6
Number of Rows	2

Usage Conditions

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

Operation/Application

Circuit Application	Power
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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) Candidate List Declared Against: JUNE 2024 (241) 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-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part # CAT-D487-H342
DEUTSCH DT Headers



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



TE Part # CAT-J41-DDCC
DEUTSCH DT Color Connectors



TE Part # 2484670-3
REC, 6P, BLK, N, FLANGE




TE Part # 1011-347-0605
DUST CAP, 6P, PLG, BLK, DT


Also in the Series | **DEUTSCH DT**




Automotive Connector Caps & Covers (19)



Automotive Housings(737)



Connector Caps & Covers(1)



Connector Strain Relief(31)



Rectangular Backshells & Clamps(3)

Customers Also Bought



TE Part #K1137209
Battery Disconnecter 35-514-231-R-901



TE Part #1SNG601162R0000
EP-SG-NPT12-BL-B



TE Part #776523-4
AS16,PLUG ASSY,ST,03P,E SEAL, CODE D



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



Documents

Product Drawings

PLG, 6P, GRY, BLOCKED

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_DT06-6S-C017_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S-C017_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S-C017_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

[ICT Terminals and Connectors Catalogue](#)

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English