DT06-6S-C017 ✔ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S-C017

Housing for Female Terminals, Wire-to-Wire, 6 Position, 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







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

Number of Positions: **6**

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

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

Sealable: **Yes**

All DEUTSCH DT Plug Connectors (220)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

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

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

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

Dimensions

Connector Height	24.03 mm[.946 in]
Product Width	20.83 mm[.82 in]
Product Length	33.48 mm[1.318 in]
Row-to-Row Spacing	4.45 mm[.175 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	12mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	800
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 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



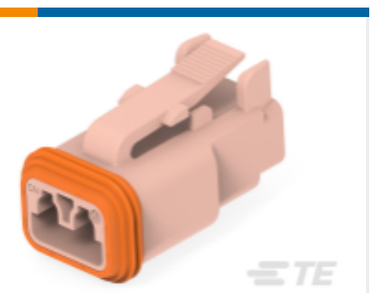
TE Part # CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part # CAT-D487-H342
DEUTSCH DT Headers



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



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



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

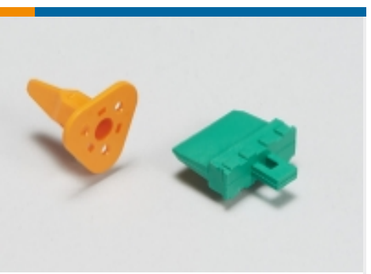


TE Part # CAT-D487-CH8172
DEUTSCH DT Series Housings & Connectors

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(705)



Connector Backshells(61)



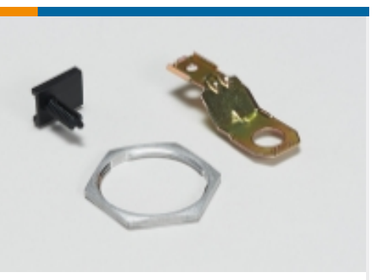
Connector Seals & Cavity Plugs(6)



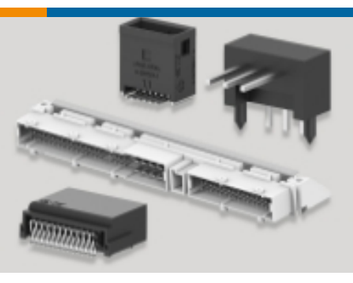
Connector Strain Relief(28)



Insertion & Extraction Tools(3)

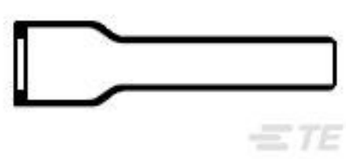


Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #814495-000
202D221-4-0



TE Part #206153-2
CPC RECPT ASSEMBLY SIZE 11-4



TE Part #DRC18-40SAE-P013
PLG, 40P, BLK, E, SEAL BOND, A



TE Part #DT06-08SA-CE13
DEUTSCH DT Plug Connectors



TE Part #K1124800
Battery Disconnector 35-213-151-R



TE Part #DT16-18SC-K004
PLG, 18P, BLK, E, C



TE Part #1416010-1
V23132A2001B200

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

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-962915-1 2005330-1 MPT100C18RF U5254-000005-030PA 1903112-2 3631B101LL CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN 2834055-1 175977-2 2310537-1 650075-000 141991-2 ROX05SJ18R SMW73R0JT 1743455-2 1969656-1 SBCHE64R7K 1393431-1 2377783-2 3430B2F51RTDF 917696-1 TE50BR39J SBCHE154R7K 1-794222-0 2380312-2 3-1393225-0 2-292161-3 936348-1