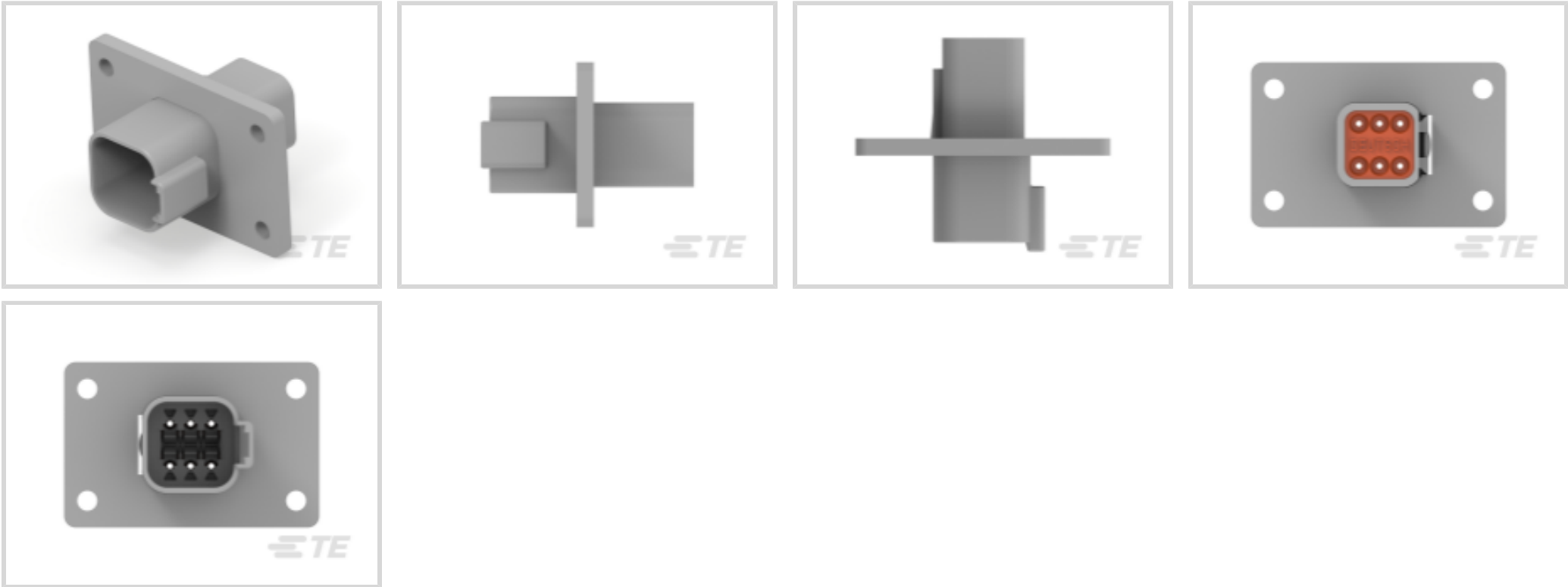




Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Receptacle Connectors



Number of Positions: 6
Connector & Housing Type: Receptacle
Mating Pin Diameter: 1.6 mm [.063 in]
Connector System: Wire-to-Panel
Centerline (Pitch): 9.1 mm [.358 in]

[All DEUTSCH DT Receptacle Connectors \(230\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Seal Code	N Seal
Number of Positions	6
Number of Rows	3



Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA 66 GF15
Centerline (Pitch)	9.1 mm[.358 in]

Dimensions

Row-to-Row Spacing	4.45 mm[.175 in]
Compatible Insulation Diameter Range	1.4 – 3.8 mm[.055 – .15 in]
Product Width	35.5 mm[1.39 in]
Product Length	55 mm[2.16 in]
Connector Height	45.9 mm[1.8 in]

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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Industry Standards



IP Rating	IP68, IP6K9K
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
Packaging Method	Bag

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in 27519830218) Octamethylcyclotetrasiloxane (D4) (.5% in 27519830218) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability	Not reviewed for solder process capability
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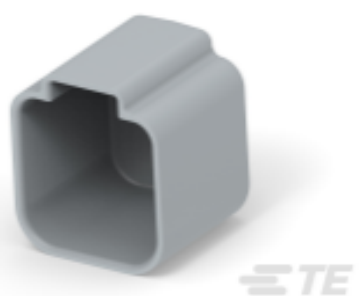
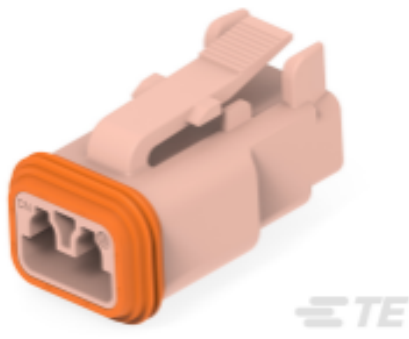
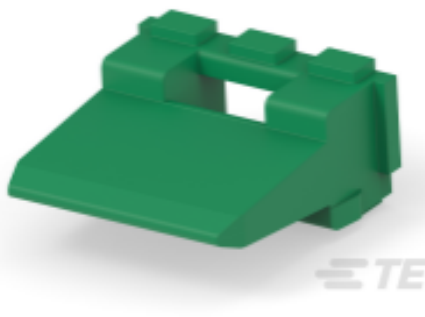
Product Compliance Disclaimer

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 and Formed Contacts	 TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20-24AWG, AU	 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # DT6P-DC PROTECT CVR, 6P, REC, GRY, DT
 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	 TE Part # DT6P-BT-BK BOOT, 6P, REC, ST, BLK	 TE Part # CAT-D487-CH8172 DEUTSCH DT Series Housings & Connectors	 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts
 TE Part # CAT-J41-DDCC DEUTSCH DT Color Connectors	 TE Part # DT6P-BT BOOT, 6P, REC, ST, GRY	 TE Part # CAT-D487-B128 DEUTSCH DT Backshells	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts
 TE Part # CAT-J41-DDPC DEUTSCH DT Plug Connectors	 TE Part # DT04-6P-CL06 REC, 6P, BLK, E, FLANGE	 TE Part # W6P WEDGE LOCK, 6P, REC, GRN, DT	

Also in the Series | DEUTSCH DT



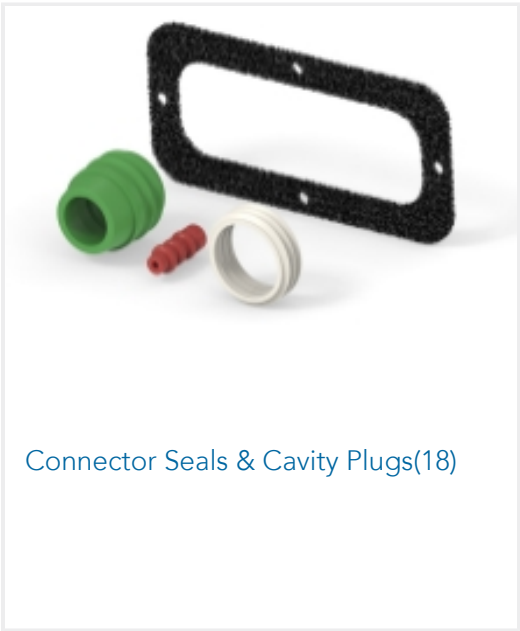
Automotive Connector Locks & Position Assurance(92)



Automotive Housings(736)



Connector Caps & Covers(1)



Connector Seals & Cavity Plugs(18)



Connector Strain Relief(31)



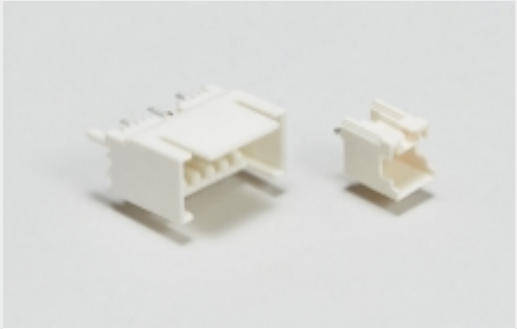
Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(107)



Rectangular Backshells & Clamps(3)

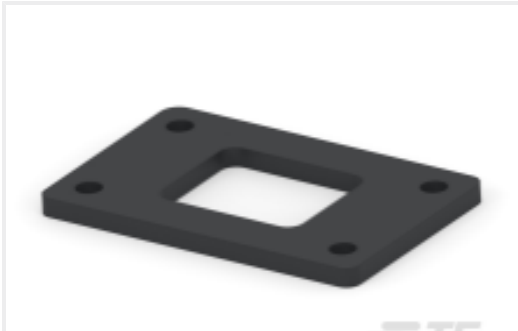


Wire-to-Board Headers & Receptacles (106)

Customers Also Bought



TE Part #1776313-2
TSB200002DS=EUROPA T-BL,14.5MM



TE Part #DT8P-L012-GKT
GASKET, 8P, BLK, DT/DTM



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



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-6S
PLG, 6P, GRY, N

Documents



Product Drawings

REC, 6P, GRY, N, FLANGE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT04-6P-L012_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT04-6P-L012_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT04-6P-L012_E.3d_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English