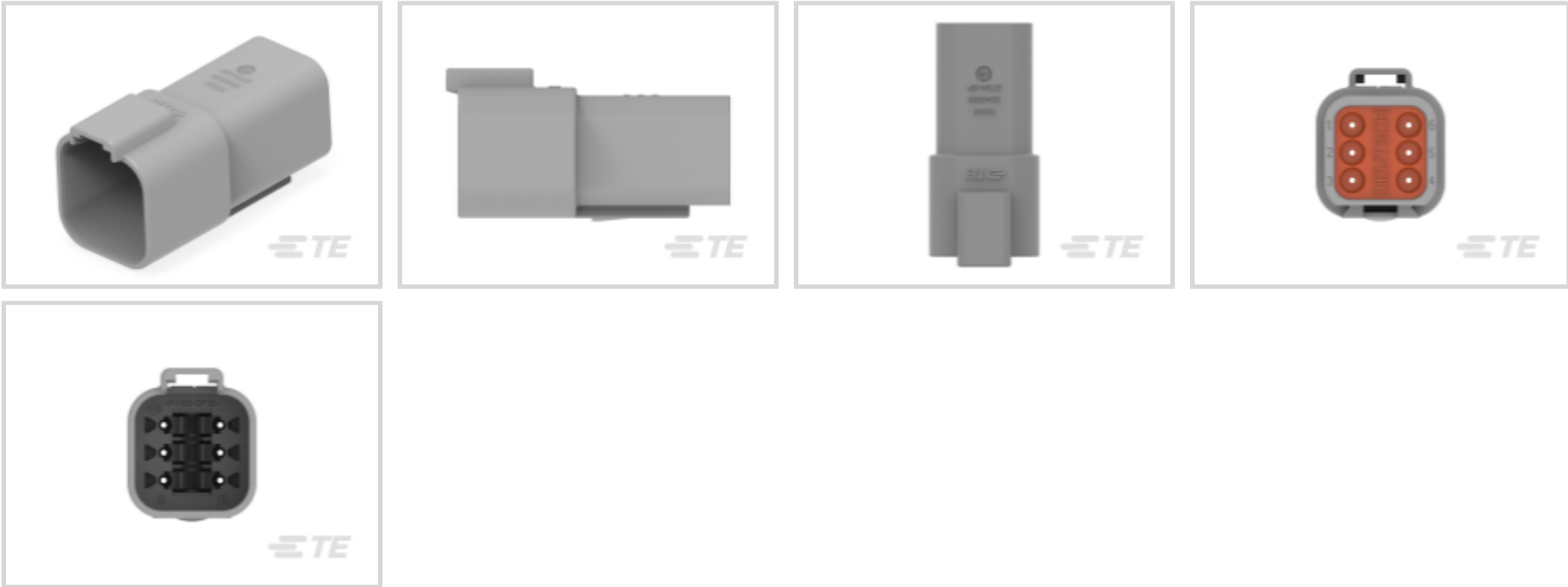




Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Receptacle Connectors



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

Number of Positions: **6**

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

Centerline (Pitch): **9.12 mm [ .359 in ]**

Sealable: **Yes**

[All DEUTSCH DT Receptacle Connectors \(247\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	6
Number of Rows	3

Electrical Characteristics

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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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Primary Product Color	Gray
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Contact Features

Contact Type	Pin
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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

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

Housing Material	PA GF
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Centerline (Pitch)	9.12 mm[.359 in]
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Dimensions

Connector Height	24.16 mm[.951 in]
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Product Width	20.83 mm[.82 in]
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Product Length	45.92 mm[1.808 in]
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Row-to-Row Spacing	4.45 mm[.175 in]
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Compatible Insulation Diameter Range	2.23 - 3.68 mm[.088 - .145 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

Degree of Protection	IP68, IP6K9K
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Compatible With Agency/Standards Products	SAE J2030
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UL Flammability Rating	12mm Flame Test per Standard UL-94
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Packaging Features

Packaging Quantity	600
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <b>Article Safe Usage Statements:</b> 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

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

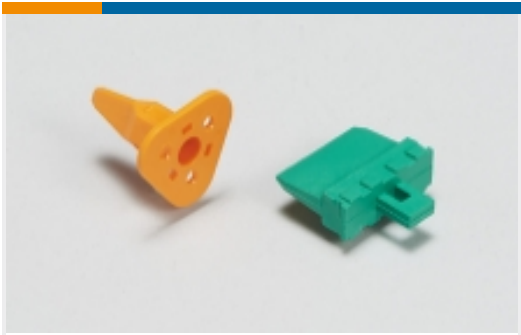
 <p>TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs</p>	 <p>TE Part # CAT-J41-DDPC DEUTSCH DT Plug Connectors</p>	 <p>TE Part # CAT-D487-B128 DEUTSCH DT Backshells</p>	 <p>TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts</p>
 <p>TE Part # CAT-D487-M8649 DEUTSCH DT Mounting Clips</p>	 <p>TE Part # CAT-D487-W416 Wedgelocks: DEUTSCH DT</p>	 <p>TE Part # 1924487-2 MOUNTING CLIP, AMPSEAL 16</p>	 <p>TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts</p>
 <p>TE Part # DT-RT1 EXT TOOL, FRONT RELEASE</p>	 <p>TE Part # DT6P-DC PROTECT CVR, 6P, REC, GRY, DT</p>	 <p>TE Part # DT6P-BT BOOT, 6P, REC, ST, GRY</p>	 <p>TE Part # DT6P-BT-BK BOOT, 6P, REC, ST, BLK</p>
 <p>TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20-24AWG, AU</p>	 <p>TE Part # 4-2448106-3 PLG, 6P, BLUE, N, CAP</p>	 <p>TE Part # 4-2448106-2 PLG, 6P, GRN, N, CAP</p>	 <p>TE Part # 4-2448106-1 PLG, 6P, BRN, N, CAP</p>
 <p>TE Part # 3-2448106-2 PLG, 6P, GRN, E, CAP</p>	 <p>TE Part # 3-2448106-3 PLG, 6P, BLUE, E, CAP</p>	 <p>TE Part # 3-2448106-1 PLG, 6P, BRN, E, CAP</p>	 <p>TE Part # CAT-D487-CH8172 DEUTSCH DT Series Housings &amp; Connectors</p>

Also in the Series | DEUTSCH DT





Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(86)



Automotive Housings(654)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



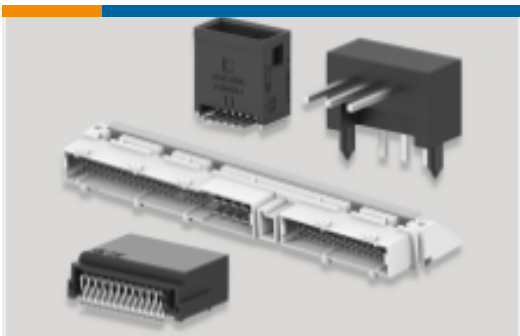
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(105)

Customers Also Bought



TE Part # DT06-12SA  
DEUTSCH DT Plug Connectors



TE Part # DT04-12PA  
DEUTSCH DT Receptacle Connectors



TE Part # W4S-ZZ  
Wedgelocks: DEUTSCH DT

Documents

Product Drawings  
REC, 6P, GRY, N

English

CAD Files  
3D PDF  
3D  
Customer View Model



[ENG\\_CVM\\_CVM\\_DT04-6P\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-6P\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-6P\\_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