



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



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

Number of Positions: **8**

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

Centerline (Pitch): **9.09 mm [.358 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 Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Blank Cavity Position	0
Connector Modification	Shrink Boot Adapter
Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
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Primary Product Color	Gray
Connector & Keying Code	A

Contact Features

Contact Size	Size 16
Contact Type	Receptacle
Mating Pin Diameter	1.57 mm[.062 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF
Centerline (Pitch)	9.09 mm[.358 in]

Dimensions

Connector Height	38.1 mm[1.5 in]
Product Width	76.2 mm[3 in]
Product Length	60.91 mm[2.398 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Compatible Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 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

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	96
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) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) 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

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



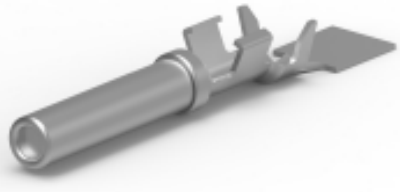
TE Part # CAT-J41-DDPC
DEUTSCH DT Plug Connectors



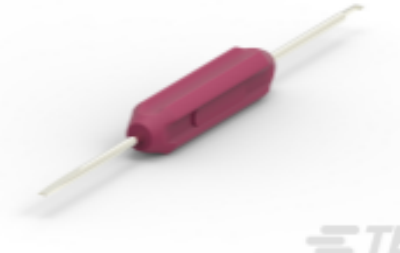
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # W8P
WEDGE LOCK, 8P, REC, GRN, DT



TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



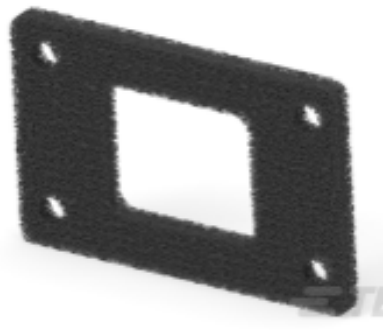
TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # 1011-027-0805
CLIP, PA66, GRY, 5.08MM HOLE, ST, DT8PIN



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

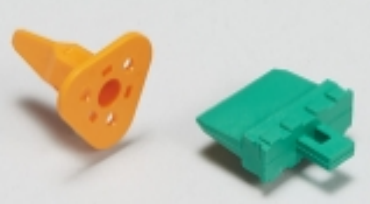


TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts

Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers
(19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(706)



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 #HDP24-24-47PE-L017
REC, 47P, BLK, E, RNG, 16/20, P



TE Part #DT06-4S-E003
DEUTSCH DT Plug Connectors



TE Part #DT04-4P-E003
REC, 4P, GRY, N, CAP



TE Part #DTCE04-1-4P-E003
DTCE RECP ASM



TE Part #1011-243-0805
BKSHL, 8P, BLK, PLG, ST, NW8.5/10/13



TE Part #NB15492001
RNF-100-3/64-BK-STK



TE Part #SR1A-125
Industrial Voltage Divider String Pot



TE Part #DTCE06-1-4S-E003
DTCE PLUG ASM

Documents

Product Drawings

REC, 8P, GRY, N, XCAP, FLANGE, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT04-08PA-LE03_99_c-dt04-08pa-le03-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT04-08PA-LE03_99_c-dt04-08pa-le03-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT04-08PA-LE03_99_c-dt04-08pa-le03-99.3d_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