



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



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

Number of Positions: **12**

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

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

Sealable: **Yes**

[All DEUTSCH DT Receptacle Connectors \(241\)](#)

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	12
Number of Rows	2

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Green

Connector & Keying Code	C
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Contact Features

Contact Size	Size 16
Contact Type	Pin
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	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	22.25 mm[.876 in]
Product Width	40.56 mm[1.597 in]
Product Length	50.62 mm[1.993 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 & Signal
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Industry Standards

Degree of Protection	IP68, IP6K9K
Agency/Standard	SAE J2030
UL Flammability Rating	12mm Flame Test per Standard UL-94

Packaging Features

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Packaging Quantity	250
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-D487-B128  
DEUTSCH DT Backshells



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



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



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # CAT-D487-M8649  
DEUTSCH DT Mounting Clips



TE Part # W12P  
WEDGE LOCK, 12P, REC, GRN, DT



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



TE Part # CAT-D487-P729  
Dust Caps — DEUTSCH DT



TE Part # DT12P-BT  
BOOT, 12P, REC, ST, GRY



TE Part # 1924487-2  
MOUNTING CLIP, AMPSEAL 16



TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # DT12P-BT-BK  
BOOT, 12P, REC, ST, BLK



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



TE Part # DT12P-BT-EN  
BOOT, 12P, REC, ST, LONG, GRY



TE Part # DT12P-BT-YW  
BOOT, 12P, REC, ST, YEL

TE Part # YDT12S-BT1635-2205  
BOOT DT 12 WAY PLUG ENHANCED OVERLAY



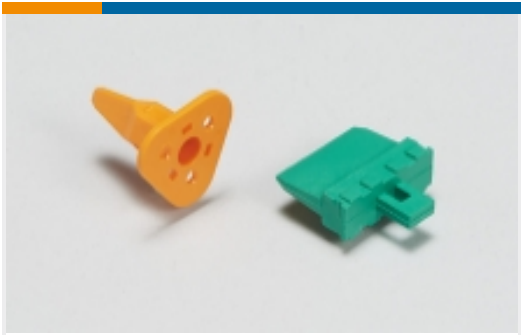
TE Part # CAT-D487-CH8172  
DEUTSCH DT Series Housings & Connectors

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

Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers (47)



Automotive Connector Locks & Position Assurance(74)



Automotive Housings(620)



Connector Backshells(58)



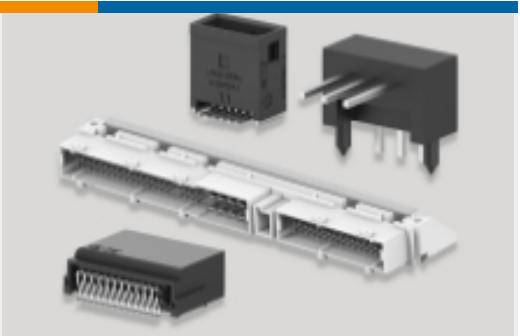
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(27)



PCB Headers & Receptacles(103)

Customers Also Bought



TE Part #DT04-12PA-B016  
DEUTSCH DT Receptacle Connectors



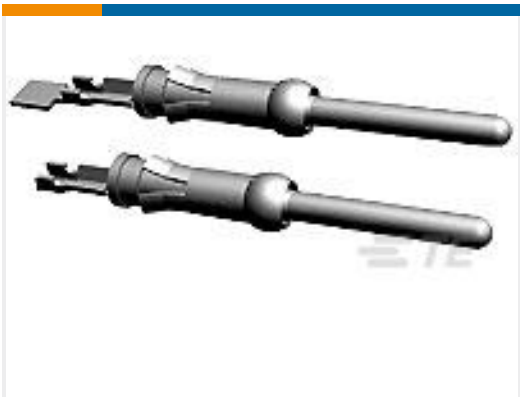
TE Part #DT06-12SC-P012  
PLG, 12P, GRN, N, SEAL RET, ENH KEY, C



TE Part #770586-1  
22P MINI UMNL PLUG HSG



TE Part #63575-1  
GROUND CLIP 14-18AWG ST



TE Part #66359-2  
III+ PIN,18-14,TIN-LEAD,STRIP



TE Part #HD36-24-9PN-L006  
PLG,9P,AL,N,CBL CLMP,NODRAIN,4/8 /12,P,MC



TE Part #240642-8  
PLATE, FRONT SHEAR



TE Part #2-240651-2  
BLADE, SLUG

Documents

Product Drawings

REC, 12P, GRN, N, ENH KEY, C

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DT04-12PC-B016\_A.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-12PC-B016\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT04-12PC-B016\\_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