



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): **4.44 mm [.175 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
Connector Seal Code	E Seal
Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

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

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)	4.44 mm[.175 in]

Dimensions

Connector Height	22.25 mm[.876 in]
Product Width	40.56 mm[1.597 in]
Product Length	45.92 mm[1.808 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 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	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 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

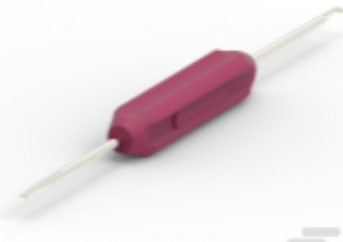
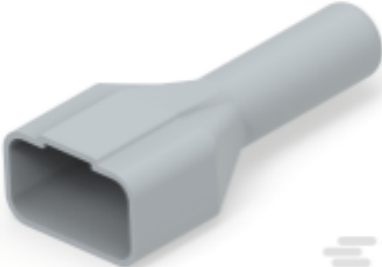
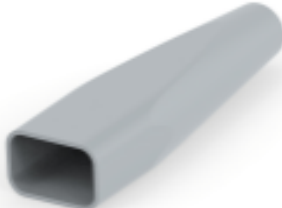
Product Compliance Disclaimer

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

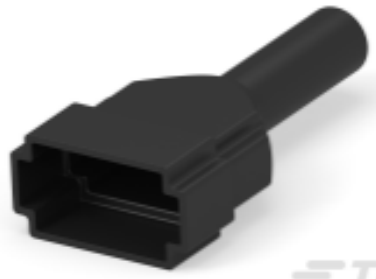


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest 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-D487-P729 Dust Caps — DEUTSCH DT	 TE Part # CAT-D487-B128 DEUTSCH DT Backshells	 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-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # 1924487-2 MOUNTING CLIP, AMPSEAL 16
 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts	 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 # 776364-1 SEALING PLUG, SZ 20 CAVITY	 TE Part # DT12P-BT BOOT, 12P, REC, ST, GRY	 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



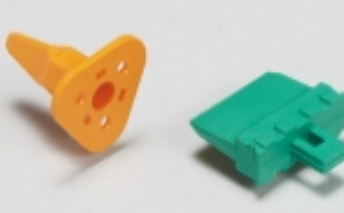
TE Part # CAT-D487-CH8172
DEUTSCH DT Series Housings &
Connectors

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

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(19)



Automotive Connector Locks &
Position Assurance(87)



Automotive Housings(706)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



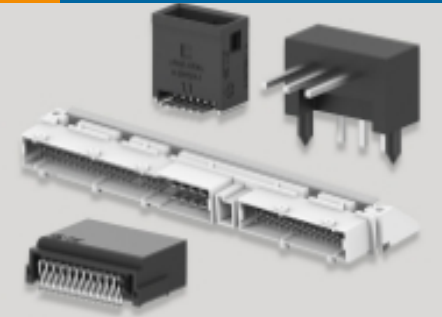
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector
Accessories(28)

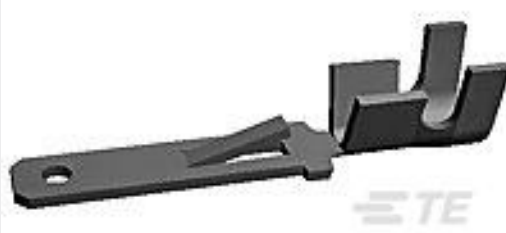


PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #HDP26-24-35SE-L015
PLG, 35P, BLK, E, THD, 16/20, S



TE Part #160457-2
FF 250 TAB 18-14AWG TPPB



TE Part #DT06-12SA-CE10
DEUTSCH DT Plug Connectors



TE Part #DT04-08PA-CE02
DEUTSCH DT Receptacle Connectors





TE Part #K1164034
Battery Disconnecter 35-513-160-R-A5



TE Part #1-966096-1
MQS ABDECKKAPPE 18P



TE Part #C616253001
55E0219-0.75-9(B01)



TE Part #HD46-24-31ST
KT PL HD30 24 SHL 31 WY T SEAL

Documents

Product Drawings

REC, 12P, BLK, E, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT04-12PA-CE02_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT04-12PA-CE02_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT04-12PA-CE02_B.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