

# DT06-12SA-C017 ✓ ACTIVE

DEUTSCH | DEUTSCH DT

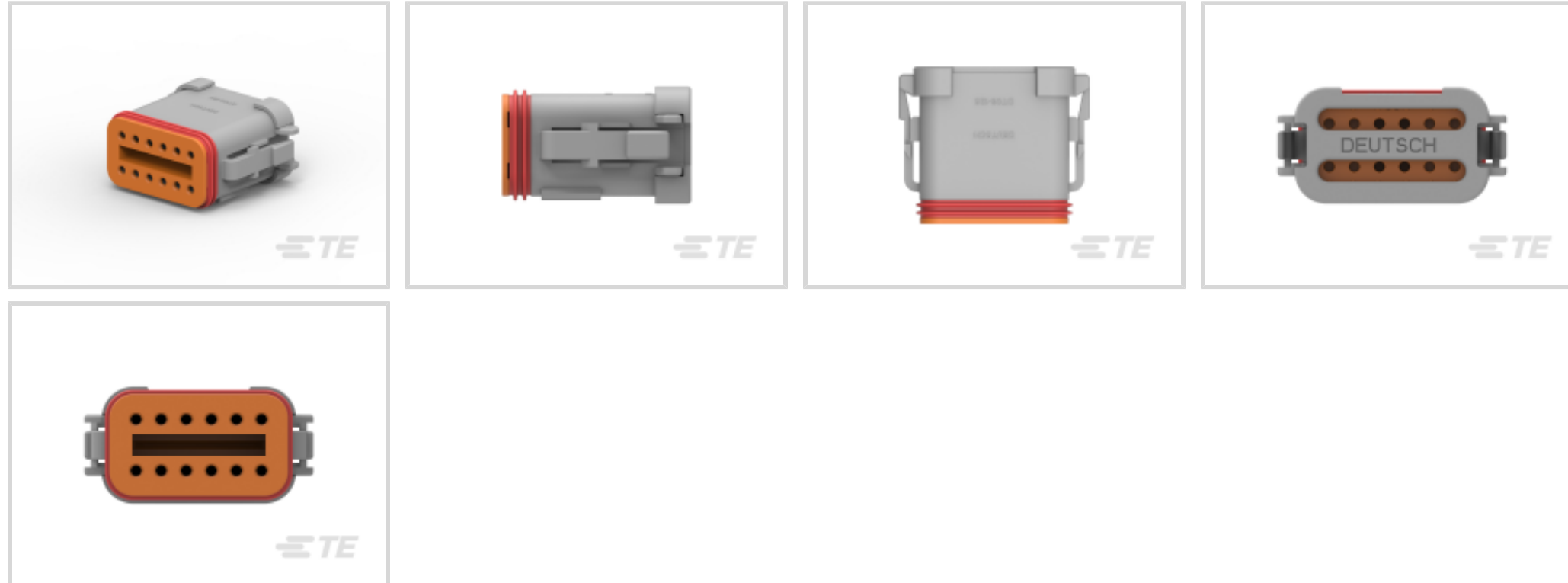
TE Internal #: DT06-12SA-C017

Housing for Female Terminals, Wire-to-Wire, 12 Position, .359 in [9.12 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, DEUTSCH DT

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT Series Housings & Connectors



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

Mating Pin Diameter: **1.59 mm [ .063 in ]**

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

Number of Positions: **12**

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

[All DEUTSCH DT Series Housings & Connectors \(461\)](#)

## Features

### Product Type Features

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

### Configuration Features

Blank Cavity Position	1, 10, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9
Connector Modification	Solid Rear Grommet, End Cap
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°
Body Material	PA GF
Primary Product Color	Gray
Connector Code	A

### Contact Features

Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

### Mechanical Attachment

Mounting Feature	Without
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

Centerline (Pitch)	9.12 mm[.359 in]
--------------------	------------------

### Dimensions

Product Width	20.83 mm[.82 in]
Product Length	33.48 mm[1.318 in]
Product Height	40.56 mm[1.597 in]
Row-to-Row Spacing	4.45 mm[.175 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
---------------------	----------------

### Industry Standards



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

### Packaging Features

Packaging Quantity	450
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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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-CH8172  
DEUTSCH DT Series Housings & Connectors



TE Part # CAT-D487-H342  
DEUTSCH DT HEADERS



TE Part # 1028-043-1205  
BKSHL, 12P, BLK, PLG,ST, NW13/17



TE Part # CAT-D487-P729  
DEUTSCH DT DUST CAPS



TE Part # DT12S-BT-BK  
BOOT, 12P, PLG, ST, BLK



TE Part # DT12S-BT  
BOOT, 12P, PLG, ST, GRY



TE Part # DT12S-BT-EN  
BOOT, 12P, PLG, ST, LONG, GRY



TE Part # DT12S-BT-YW  
BOOT, 12P, PLG, ST, YEL

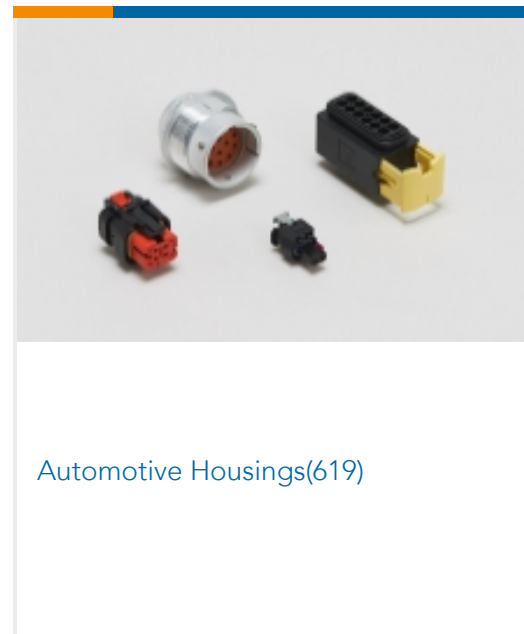
Also in the Series | DEUTSCH DT



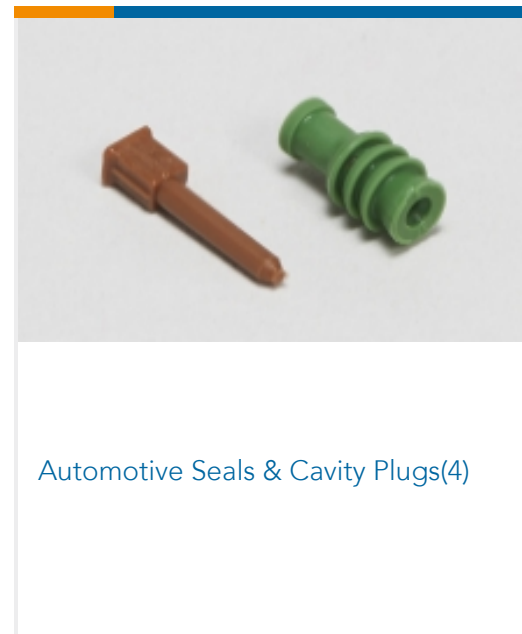
Automotive Connector Caps & Covers (98)



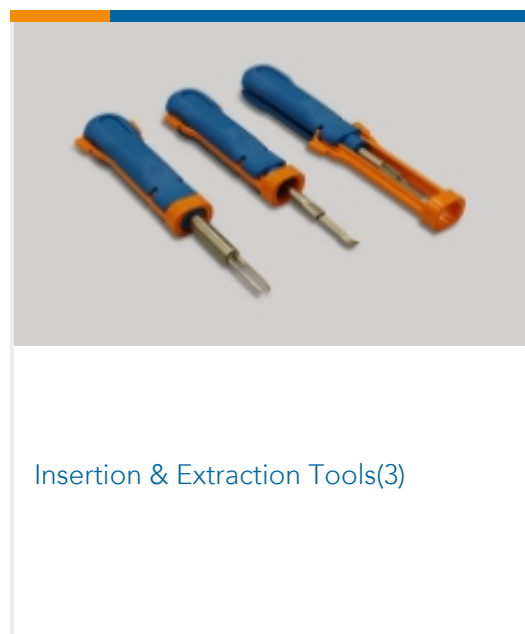
Automotive Connector Locks & Position Assurance(73)



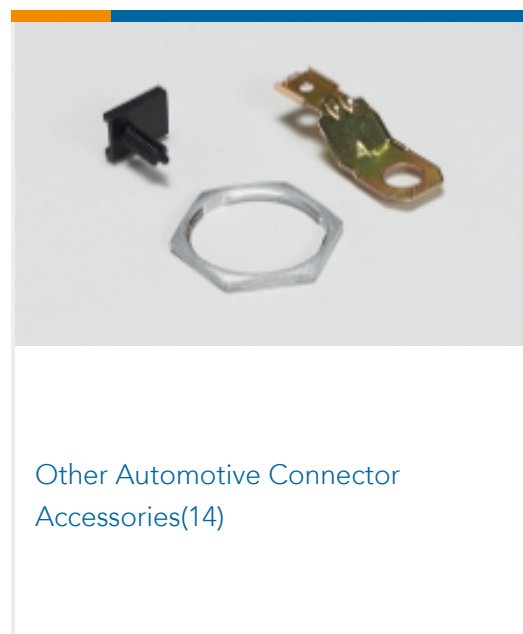
Automotive Housings(619)



Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(14)



PCB Headers & Receptacles(106)

Customers Also Bought



TE Part #7-1618401-3  
LEV200A4NAF01=Contactor, w/Coil Sup



TE Part #1-66331-5  
III+ SKT,24-20,TIN,STRIP



TE Part #DT04-12PC-CE07  
REC, 12P, GRN, E, ENH KEY, CAP, C



TE Part #1011-236-0405  
BKSHL, 4P, BLK, PLG, RA, NW6/7.5/8.5 /10



TE Part #917485-5  
DYNAMIC D-3 TAB CONT. 2L PRE-TIN



TE Part #1-745491-9  
RCPT ASSY,9P,HDE,MS



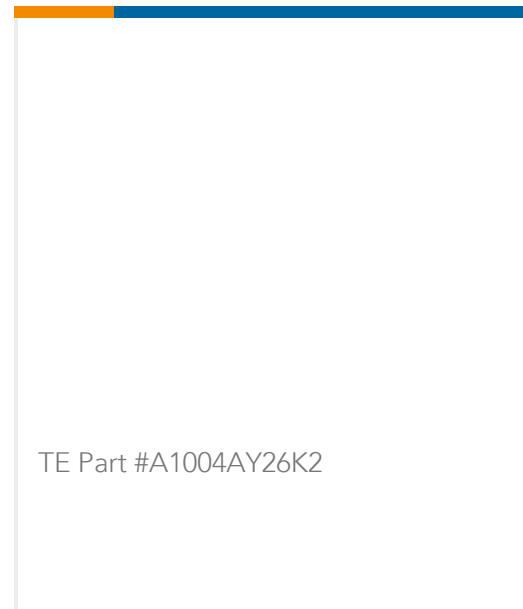
TE Part #DRC16-70SAE-P066  
PLG, 70P, BLK, E, SPECIAL SEAL, A



TE Part #87159-3  
02 MODI CRMP S-I HSG SR .156CL



TE Part #A77145-000  
S200-3-01



TE Part #A1004AY26K2

## Documents

### Product Drawings

[PLG, 12P, GRY, BLOCKED, A](#)

English

[PLG, 12P, GRY, BLOCKED, A](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-12SA-C017\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-12SA-C017\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-12SA-C017\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

### Product Specifications



### Application Specification

English

---

### Product Environmental Compliance

#### Product Compliance

English

#### Product Compliance

English

---

### Agency Approvals

#### UL Report

English