



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT HOUSINGS



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

Mating Pin Diameter: **1.59 mm [ .0625 in ]**

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

Number of Positions: **8**

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

[All DEUTSCH DT HOUSINGS \(424\)](#)

## Features

### Product Type Features

Row-to-Row Spacing	4.45 mm[.175 in]
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
Strain Relief	Add By Accessory

### Configuration Features

Blank Cavity Position	0
Number of Positions	8
Number of Rows	2

### Electrical Characteristics

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

### Body Features

Cable Exit Angle	180°
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Body Material	PA GF
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Primary Product Color	Gray
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Connector Code	A
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#### Contact Features

Mating Pin Diameter	1.59 mm[.0625 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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Mounting Feature	Without
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Polarized	Polarized
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#### Housing Features

Centerline (Pitch)	9.12 mm[.359 in]
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#### Dimensions

Accepts Wire Insulation Diameter Range	2.23 – 3.68 mm[.088 – .145 in]
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Height	37.21 mm[1.465 in]
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Length	30.91 mm[1.217 in]
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Width	19.71 mm[.776 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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Agency/Standard	SAE J2030
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UL Flammability Rating	12mm Flame Test per Standard UL-94
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#### Packaging Features

Packaging Method	Box
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Packaging Quantity	550
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#### Other

Serviceable	Yes
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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: JUN 2020 (209)  
 Candidate List Declared Against: JUN 2020 (209)  
 Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 900 ppm.

Solder Process Capability

Not reviewed for solder process capability

### Product Compliance Disclaimer

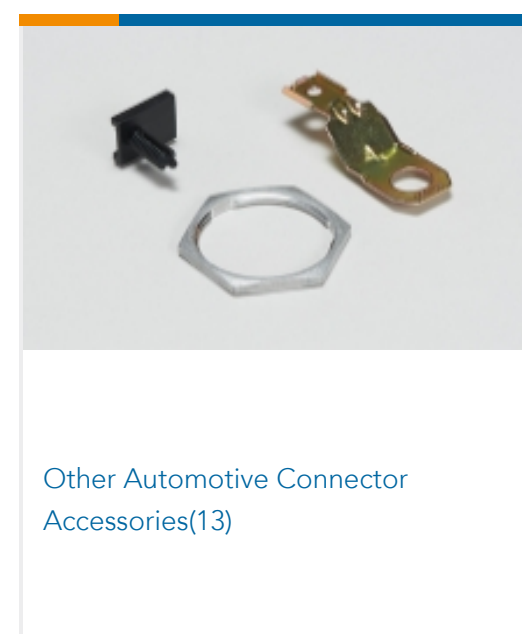
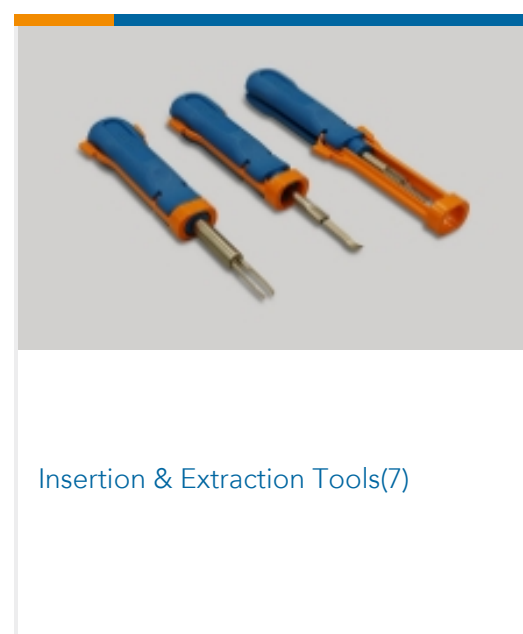
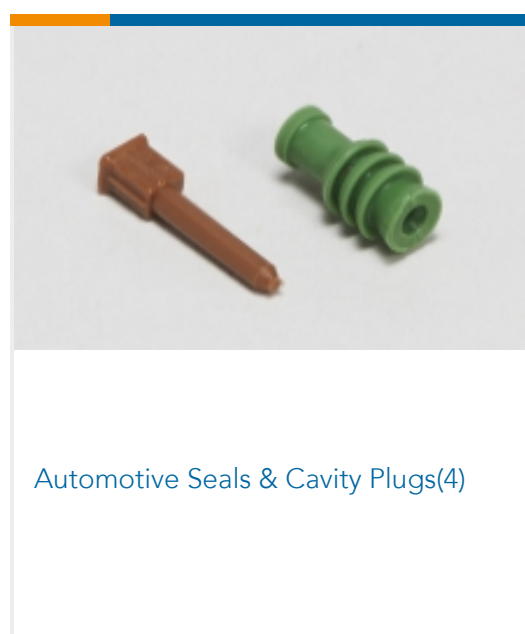
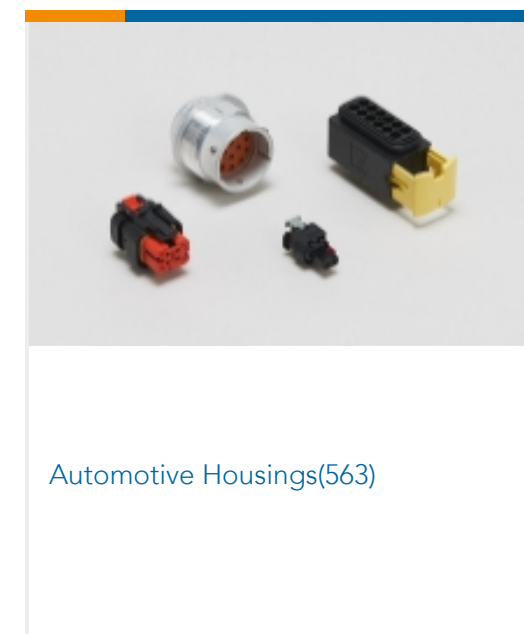
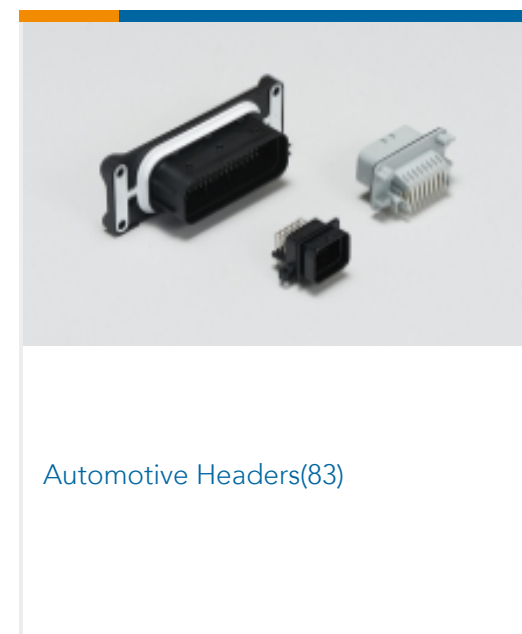
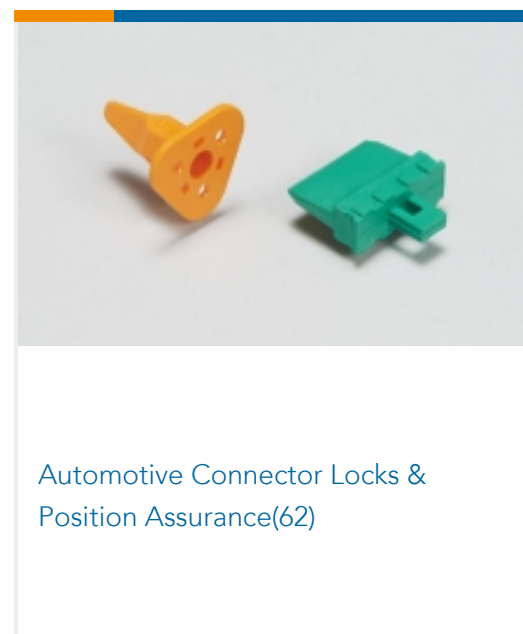
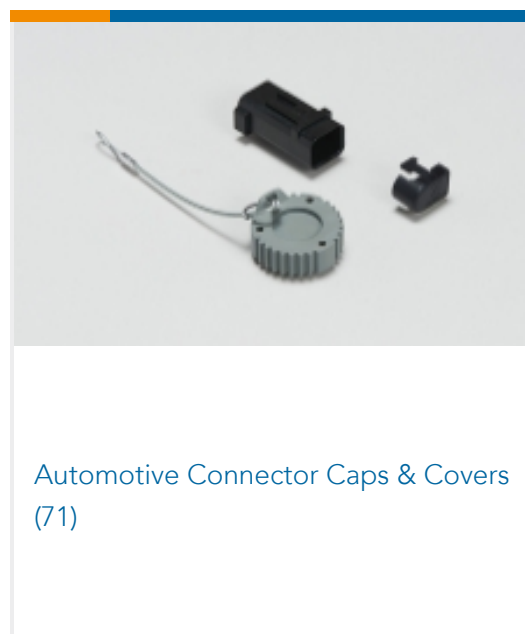
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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





Also in the Series | DEUTSCH DT



Customers Also Bought





## Documents

### Product Drawings

[PLG, 8P, GRY, N, A](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-08SA\\_99.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-08SA\\_99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DT06-08SA\\_99.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Product Environmental Compliance

[MD\\_DT06-08SA\\_02022018013\\_dmtec](#)

English

[MD\\_DT06-08SA\\_02022018013\\_dmtec](#)

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