

Connectors &gt; PCB Connectors &gt; PCB Headers &amp; Receptacles &gt; DEUTSCH DTM Headers

Connector System: **Wire-to-Board**Number of Positions: **12**Centerline (Pitch): **4.19 mm [.165 in]**Sealable: **Yes**PCB Mount Orientation: **Right Angle**[All DEUTSCH DTM Headers \(36\)](#)

## Features

### Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Sections	1
Connector Modification	PCB Enclosure Header
Number of Signal Positions	12
Number of Positions	12
PCB Mount Orientation	Right Angle

Number of Rows	2
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#### Electrical Characteristics

Voltage Rating (Max)	250 VAC
Nominal Voltage Architecture	12 V, 24 V
Operating Voltage	250 VAC

#### Body Features

Primary Product Color	Black
Connector & Keying Code	B

#### Contact Features

Contact Size	Size 20
Contact Type	Pin
Mating Pin Diameter	1.02 mm[.04 in]
Contact Mating Area Plating Material	Nickel
Contact Current Rating (Max)	7.5 A

#### Termination Features

Termination Method to PCB	Through Hole - Solder
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#### Mechanical Attachment

Mounting Holes	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Screw
Mating Retention Type	Locking Interface
Connector Mounting Type	Panel Mount

#### Housing Features

Centerline (Pitch)	4.19 mm [.165 in]
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#### Dimensions

Connector Length	36.91 mm [1.453 in]
Connector Width	60.96 mm [2.4 in]

PCB Thickness (Recommended) .78 – 1.57 mm [.031 – .062 in]

Profile Height from PCB 25.71 mm [1.012 in]

**Usage Conditions**

Operating Temperature (Max) 125 °C [257 °F]

Operating Temperature Range -55 – 125 °C [-67 – 257 °F]

**Operation/Application**

Shielded No

Circuit Application Signal

**Industry Standards**

Degree of Protection IP67, IP6K9K

UL Rating None

UL Flammability Rating Not tested

**Packaging Features**

Packaging Quantity 105

Packaging Method Box

**Other**

Interface Number DTM04-12P

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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 &gt; 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 &gt; 900 ppm.

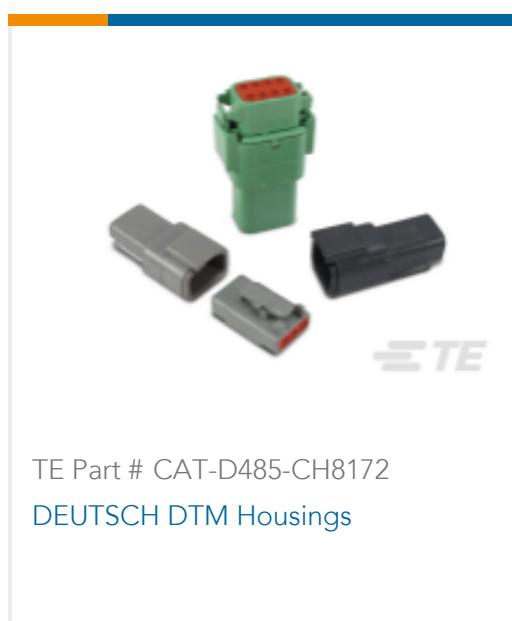
## Solder Process Capability

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>

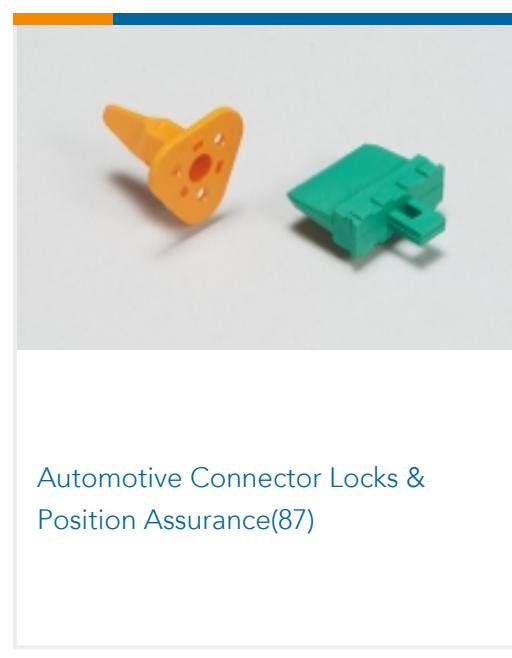
## Compatible Parts

TE Part # CAT-D485-CH8172  
DEUTSCH DTM HousingsTE Part # CAT-D485-EN17  
DEUTSCH PCB Enclosures

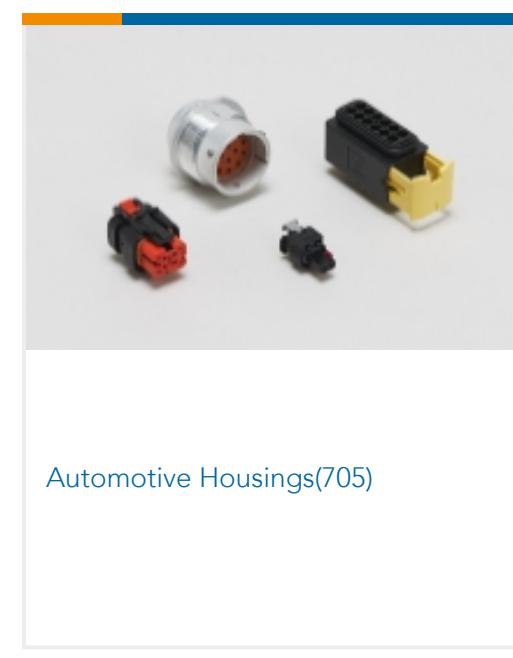
## Also in the Series | DEUTSCH DT



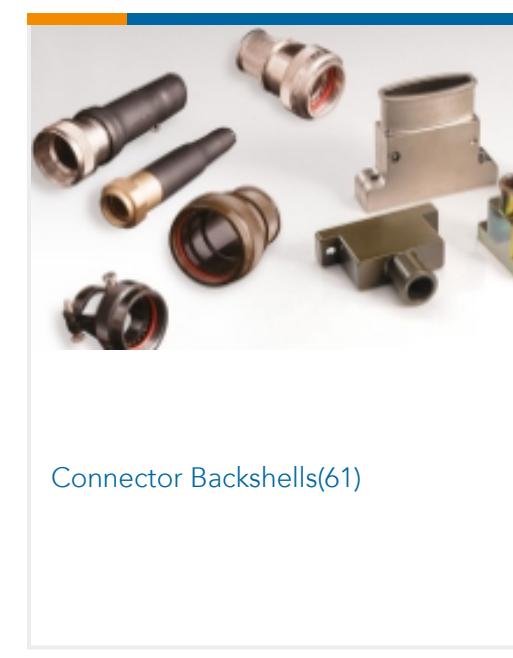
Automotive Connector Caps &amp; Covers (19)



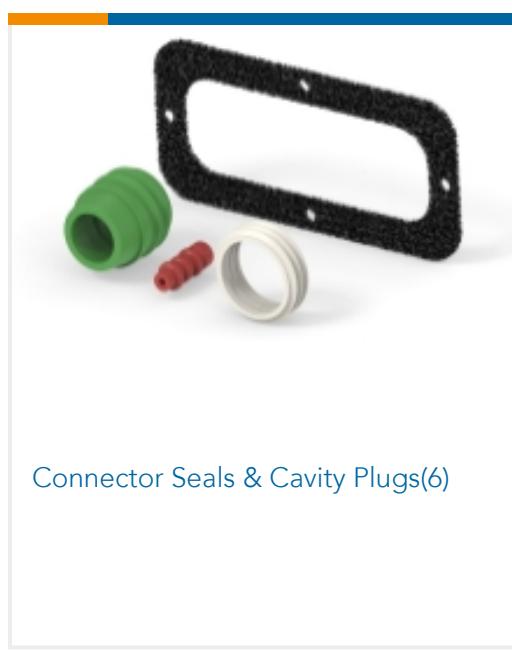
Automotive Connector Locks &amp; Position Assurance(87)



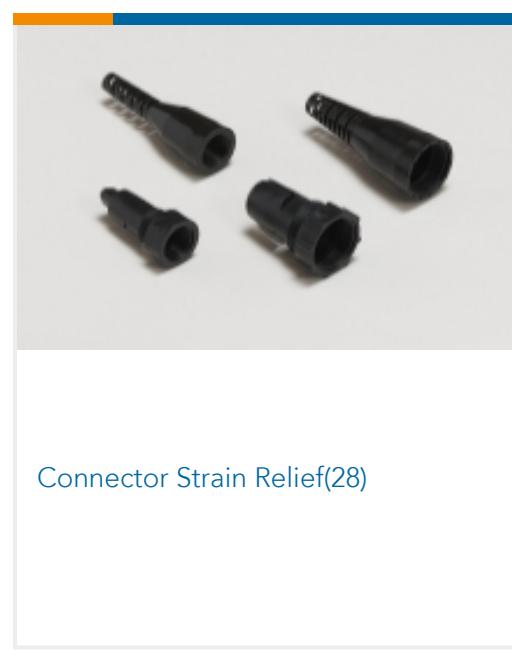
Automotive Housings(705)



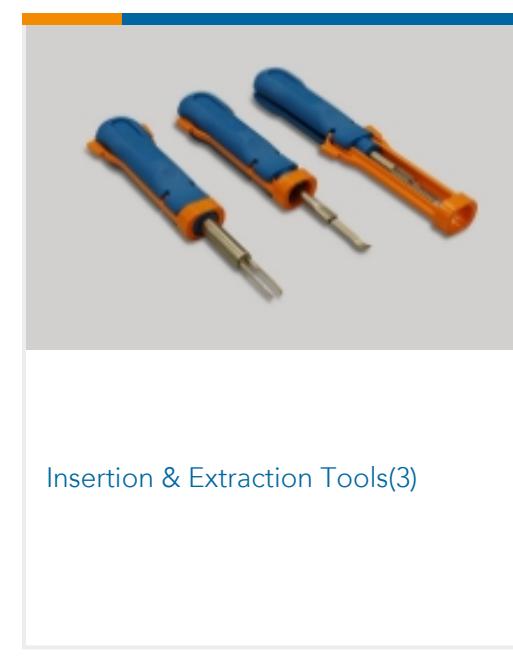
Connector Backshells(61)



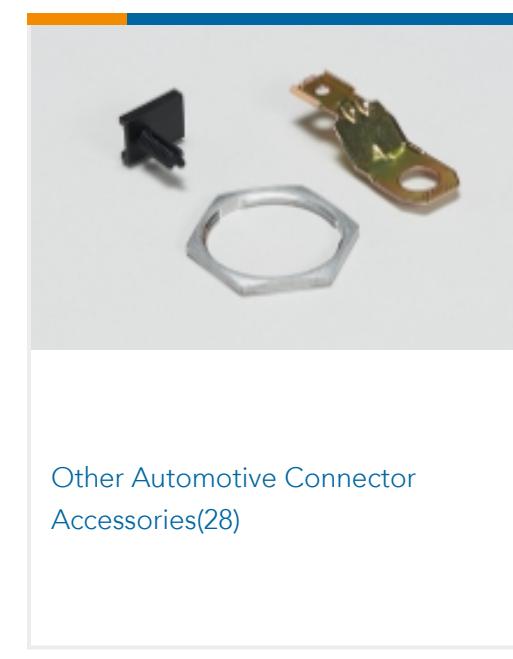
Connector Seals &amp; Cavity Plugs(6)



Connector Strain Relief(28)



Insertion &amp; Extraction Tools(3)

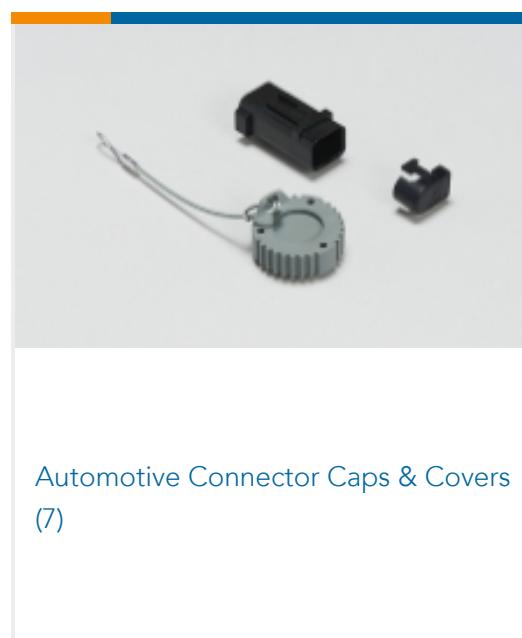


Other Automotive Connector Accessories(28)

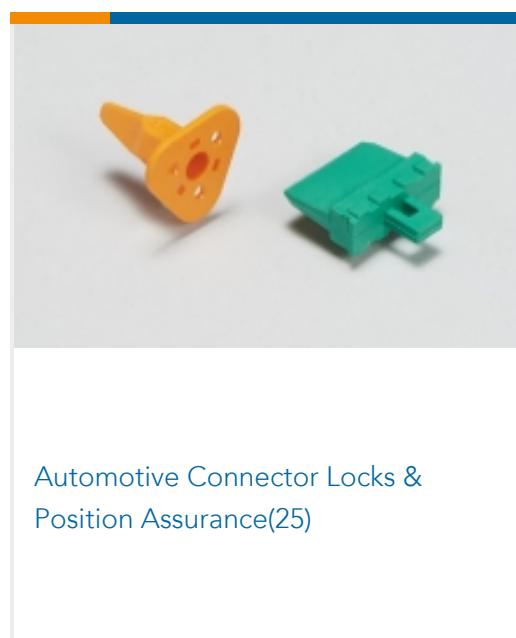


PCB Headers &amp; Receptacles(106)

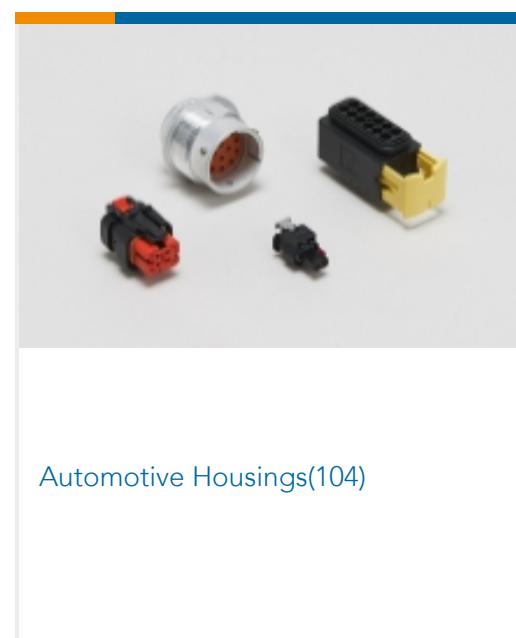
## Also in the Series | DEUTSCH DTM



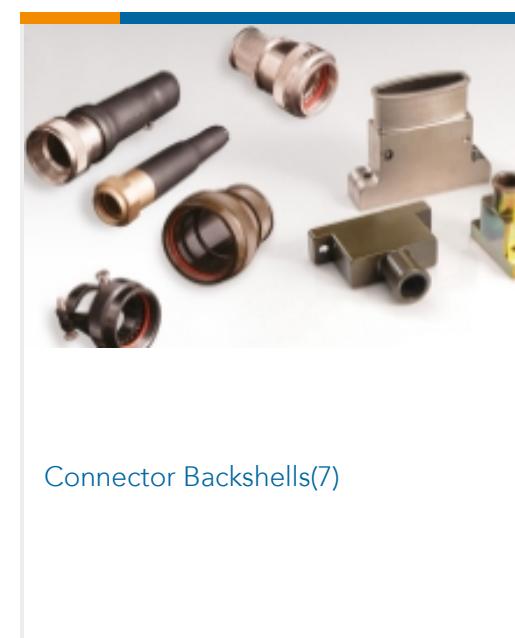
Automotive Connector Caps &amp; Covers (7)



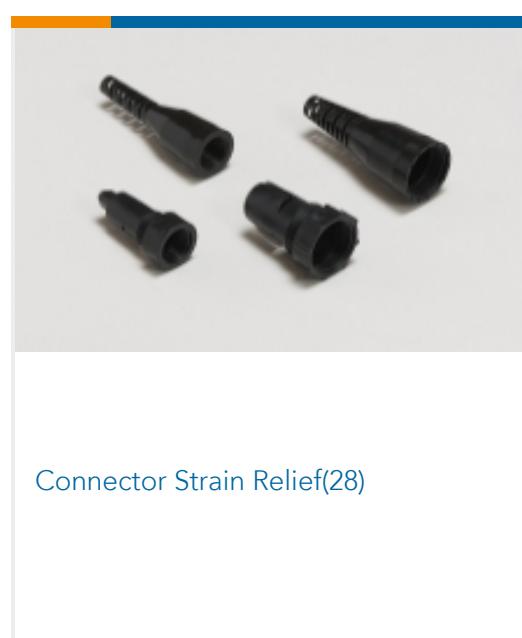
Automotive Connector Locks &amp; Position Assurance(25)



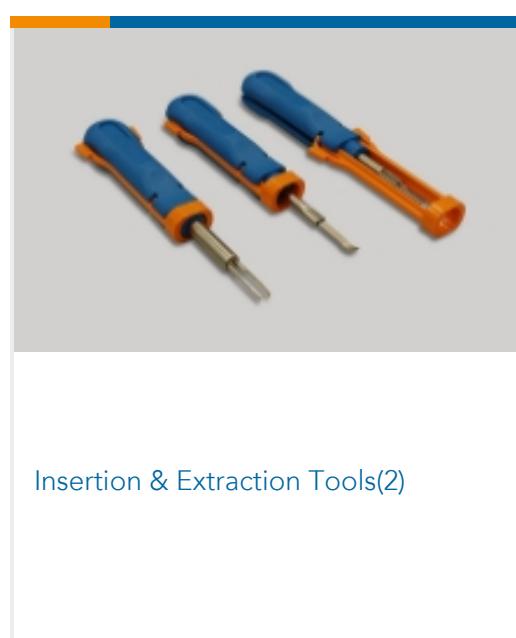
Automotive Housings(104)



Connector Backshells(7)



Connector Strain Relief(28)

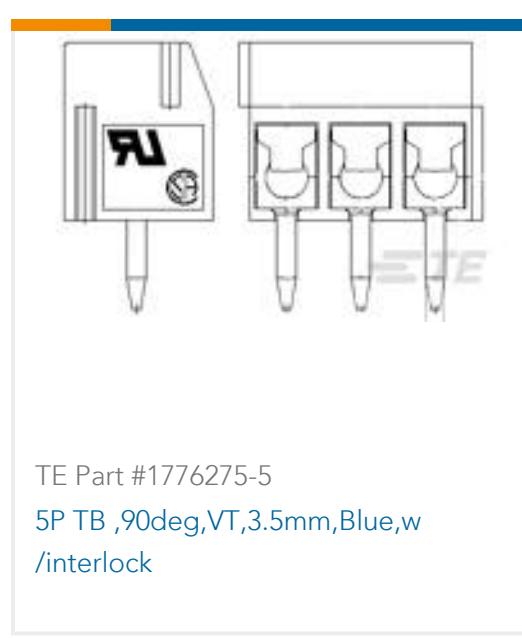


Insertion &amp; Extraction Tools(2)



PCB Headers &amp; Receptacles(38)

## Customers Also Bought

TE Part #DTM13-12PB  
HDR, 12P, GRY, RA, SN/NI/CU, BTE Part #EEC-325X4B-E016  
ENCLOSURE, 3.25 X 4, CLR, NO VENTTE Part #3-1461491-3  
PCN-112D3MHZ,000TE Part #2058703-1  
Herm Blade & Recp Assy, 2 Pos,LatchTE Part #1776275-5  
5P TB ,90deg,VT,3.5mm,Blue,w/  
/interlockTE Part #4-2176330-3  
CRGP 2010 33K 1%TE Part #DT15-12PC  
HDR, 12P, GRN, ST, NI/CU, CTE Part #1300-00023  
CABLE,Coax, 7in

## Documents

### Product Drawings

[HDR, 12P, BLK, RA EEC, NI/CU, B](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DTM13-12PB-R008\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DTM13-12PB-R008\\_C.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DTM13-12PB-R008\\_C.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

[CONNECTOR SELECTOR](#)

English

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### Product Specifications

[Product Specification](#)

English

[Product Specification](#)

English