



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Number of Positions: 6

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

Mating Pin Diameter: 1.02 mm [.04 in ]

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

Centerline (Pitch): 4.19 mm [.165 in ]

[All DEUTSCH DTM Housings \(113\)](#)

Features

Product Type Features

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

Configuration Features

|                       |   |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions   | 6 |
| Number of Rows        | 2 |

Electrical Characteristics

|  |  |
|--|--|
|  |  |
|--|--|



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

Body Features

|                       |      |
|-----------------------|------|
| Cable Exit Angle      | 180° |
| Primary Product Color | Gray |

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | Size 20         |
| Contact Type                 | Socket          |
| Mating Pin Diameter          | 1.02 mm[.04 in] |
| Contact Current Rating (Max) | 7.5 A           |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Strain Relief               | Without                    |
| Terminal Position Assurance | No                         |
| Mating Alignment Type       | Polarization               |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |                  |
|--------------------|------------------|
| Housing Material   | PA GF            |
| Centerline (Pitch) | 4.19 mm[.165 in] |

Dimensions

|                                      |                           |
|--------------------------------------|---------------------------|
| Row-to-Row Spacing                   | 4.19 mm[.165 in]          |
| Compatible Insulation Diameter Range | 1.3 – 3 mm[.053 – .12 in] |
| Product Width                        | 20.7 mm[.815 in]          |
| Product Length                       | 15.2 mm[.598 in]          |
| Connector Height                     | 30.1 mm[1.18 in]          |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

|           |              |
|-----------|--------------|
| IP Rating | IP68, IP6K9K |
|-----------|--------------|



|                                           |           |
|-------------------------------------------|-----------|
| Compatible With Agency/Standards Products | SAE J2030 |
| UL Flammability Rating                    | UL 94V-0  |

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Dodecamethylcyclohexasiloxane (D6) (.5% in 27519360989)<br>Decamethylcyclopentasiloxane (D5) (.5% in 27519360989)<br>Octamethylcyclotetrasiloxane (D4) (.5% in 27519360989)<br><b>Article Safe Usage Statements:</b><br>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

|                                                                         |                                                              |                                                                         |                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------|
| <br>TE Part # 1062-20-0644<br>SOC, SF, SIZE 20, 14-16, AU/SN            | <br>TE Part # 1062-20-0677<br>SOC, SF, SIZE 20, 14-16, SN/SN | <br>TE Part # 1062-20-0377<br>SOC, SF, SIZE 20, 16-22, SLEVLESS, SN /SN | <br>TE Part # DTM6S-BT<br>BOOT, 6P, PLG, ST, GRY             |
| <br>TE Part # 1062-20-0277<br>SOC, SF, SIZE 20, 16-22, SN/SN            | <br>TE Part # 1062-20-0177<br>SOC, SF, SIZE 20, 16-22, SN/SN | <br>TE Part # 1062-20-0322<br>SOC, SF, SIZE 20, 16-22, SLEVLESS, NI /NI | <br>TE Part # DTM04-6P-C017<br>REC, 6P, GRY, BLOCKED         |
| <br>TE Part # CAT-D48-SP729<br>DEUTSCH Sealing Plugs                    | <br>TE Part # DT-RT1<br>EXT TOOL, FRONT RELEASE              | <br>TE Part # 1062-20-0222<br>SOC, SF, SIZE 20, 16-22, NI/NI            | <br>TE Part # 1062-20-0622<br>SOC, SF, SIZE 20, 14-16, NI/NI |
| <br>TE Part # 1062-20-0344<br>SOC, SF, SIZE 20, 16-22, SLEVLESS, AU /SN | <br>TE Part # 1062-20-0122<br>SOC, SF, SIZE 20, 16-22, NI/NI | <br>TE Part # CAT-D48-ST273<br>DEUTSCH Solid Contacts                   | <br>TE Part # 1062-20-0144<br>SOC, SF, SIZE 20, 16-22, AU/SN |
| <br>TE Part # CAT-D485-CH8172<br>DEUTSCH DTM Housings                   | <br>TE Part # WM-6S<br>WEDGE LOCK, 6P, PLG, ORG, DTM         | <br>TE Part # 1062-20-0244<br>SOC, SF, SIZE 20, 16-22, AU/SN            |                                                              |



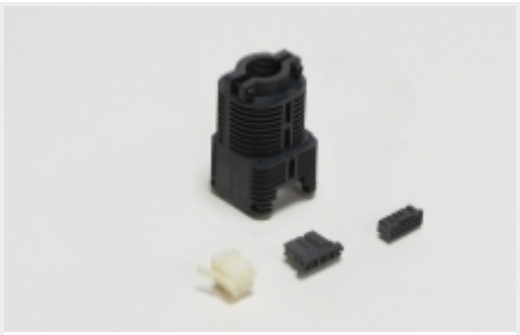
Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers  
(7)



Connector Caps & Covers(1)



Rectangular Connector Housings(1)

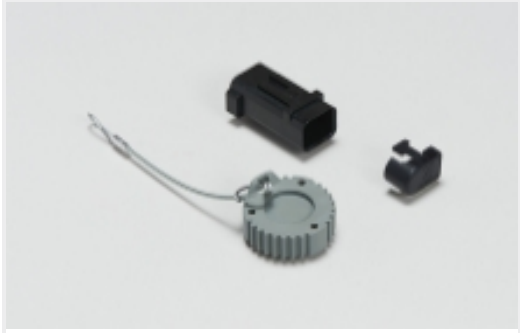


Rectangular Power Connectors(77)

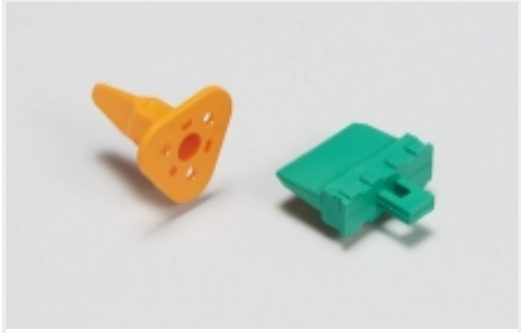


Standard Rectangular Connectors(1)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers  
(7)



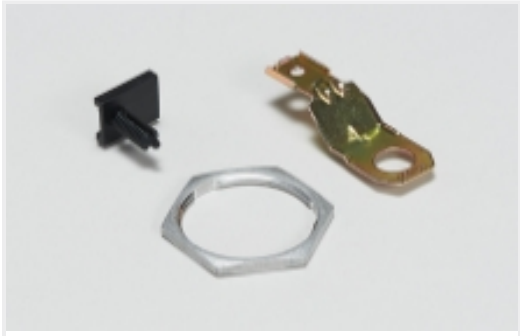
Automotive Connector Locks &  
Position Assurance(26)



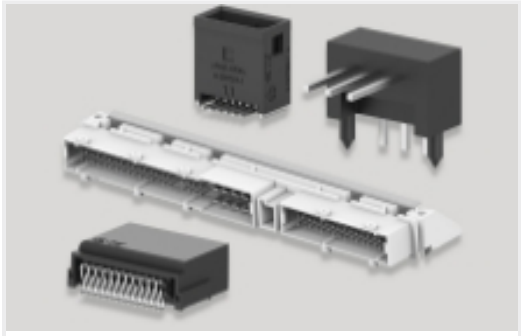
Automotive Housings(109)



Connector Strain Relief(28)



Other Automotive Connector  
Accessories(7)



PCB Headers & Receptacles(38)

Customers Also Bought



TE Part #CAT-D485-CH8172  
DEUTSCH DTM Housings



TE Part #CAT-D485-W416  
DEUTSCH DTM Wedgelocks



TE Part #0462-201-20141  
SOC, SOLID, SIZE 20, 20AWG, NI

Documents

Product Drawings

PLG, 6P, GRY, N

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_DTM06-6S\_99.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DTM06-6S\_99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DTM06-6S\_99.3d\_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

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CONNECTOR SELECTOR

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Product Specifications

Engineering Report

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Agency Approvals

UL Report

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