

DTM06-12SB-E003

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SB-E003

Housing for Female Terminals, Wire-to-Wire, 12 Position, .165 in [4.19 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Connector System: **Wire-to-Wire**  
Number of Positions: **12**  
Connector & Housing Type: **Housing for Female Terminals**  
Centerline (Pitch): **4.19 mm [ .165 in ]**  
Sealable: **Yes**

[All DEUTSCH DTM Housings \(109\)](#)

Features

Product Type Features

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

Configuration Features

|                        |         |
|------------------------|---------|
| Blank Cavity Position  | 0       |
| Connector Modification | 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° |
|------------------|------|



|                         |       |
|-------------------------|-------|
| Primary Product Color   | Black |
| Connector & Keying Code | B     |

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

|                             |                            |
|-----------------------------|----------------------------|
| 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) | 4.19 mm[.165 in] |

Dimensions

|                                      |                               |
|--------------------------------------|-------------------------------|
| Connector Height                     | 40.01 mm[1.575 in]            |
| Product Width                        | 17.63 mm[.694 in]             |
| Product Length                       | 31.62 mm[1.245 in]            |
| Row-to-Row Spacing                   | 7.11 mm[.28 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 & Signal |
|---------------------|----------------|

Industry Standards

|                        |                                    |
|------------------------|------------------------------------|
| Degree of Protection   | IP68, IP6K9K                       |
| Agency/Standard        | SAE J2030                          |
| UL Flammability Rating | 20mm Flame Test per Standard UL-94 |



Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 500 |
| Packaging Method   | Box |

Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

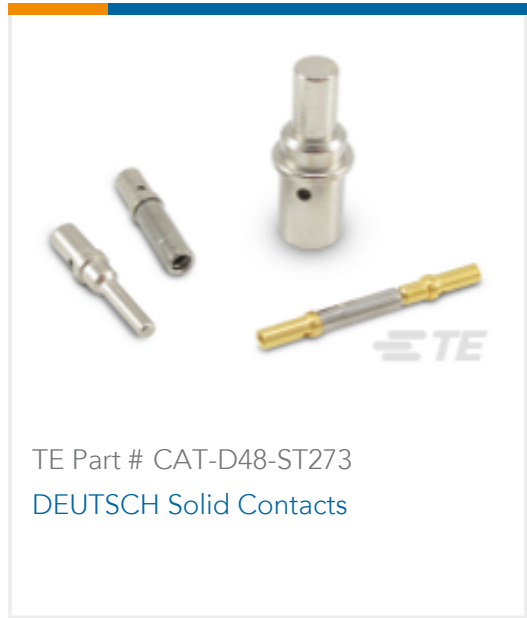
|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<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

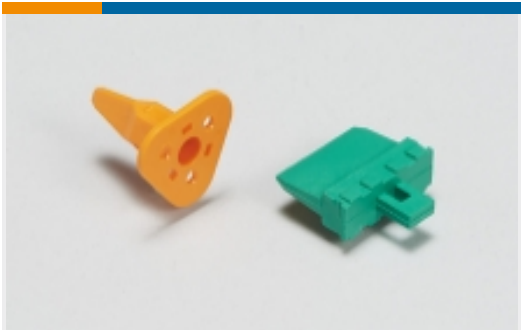


|                                                                                                                                                      |                                                                                                                                                                |                                                                                                                                                                 |                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-D48-SP729<br/>DEUTSCH Sealing Plugs</p>           |  <p>TE Part # CAT-D485-CH8172<br/>DEUTSCH DTM Housings</p>                   |  <p>TE Part # CAT-D485-W416<br/>DEUTSCH DTM Wedgelocks</p>                   |  <p>TE Part # CAT-D48-ST273<br/>DEUTSCH Solid Contacts</p>                   |
|  <p>TE Part # CAT-D485-H342<br/>DEUTSCH DTM Headers</p>            |  <p>TE Part # 1062-20-0322<br/>SOC, SF, SIZE 20, 16-22, SLEVLSS, NI /NI</p> |  <p>TE Part # 1062-20-0377<br/>SOC, SF, SIZE 20, 16-22, SLEVLSS, SN /SN</p> |  <p>TE Part # 1062-20-0344<br/>SOC, SF, SIZE 20, 16-22, SLEVLSS, AU /SN</p> |
|  <p>TE Part # DT-RT1<br/>EXT TOOL, FRONT RELEASE</p>              |  <p>TE Part # DTM1312PA12PBR008<br/>HDR, 24P, BLK, RA EEC, NI/CU, AB</p>   |  <p>TE Part # 1062-20-0622<br/>SOC, SF, SIZE 20, 14-16, NI/NI</p>          |  <p>TE Part # 1062-20-0244<br/>SOC, SF, SIZE 20, 16-22, AU/SN</p>          |
|  <p>TE Part # 1062-20-0222<br/>SOC, SF, SIZE 20, 16-22, NI/NI</p> |  <p>TE Part # 1062-20-0122<br/>SOC, SF, SIZE 20, 16-22, NI/NI</p>          |  <p>TE Part # 1062-20-0144<br/>SOC, SF, SIZE 20, 16-22, AU/SN</p>          |  <p>TE Part # 1062-20-0177<br/>SOC, SF, SIZE 20, 16-22, SN/SN</p>          |
|  <p>TE Part # 1062-20-0277<br/>SOC, SF, SIZE 20, 16-22, SN/SN</p> |  <p>TE Part # 1062-20-0644<br/>SOC, SF, SIZE 20, 14-16, AU/SN</p>          |  <p>TE Part # 1062-20-0677<br/>SOC, SF, SIZE 20, 14-16, SN/SN</p>          |  <p>TE Part # DTM04-12PB-E003<br/>REC, 12P, BLK, N, CAP, B</p>             |

Also in the Series | **DEUTSCH DT**



Automotive Connector Caps & Covers  
(47)



Automotive Connector Locks &  
Position Assurance(74)



Automotive Housings(620)



Connector Backshells(58)



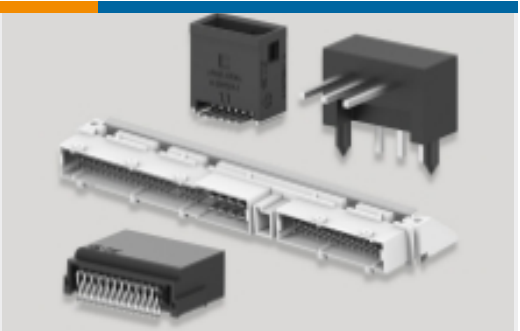
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(3)



Other Automotive Connector  
Accessories(27)



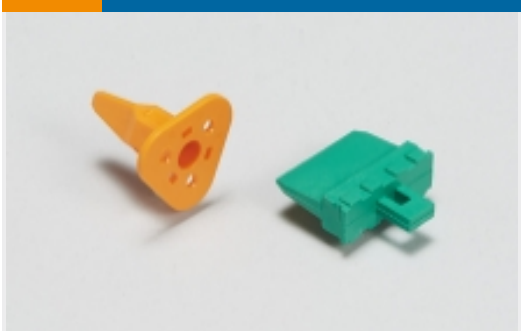
PCB Headers & Receptacles(103)

Also in the Series

DEUTSCH DTM



Automotive Connector Caps & Covers  
(35)



Automotive Connector Locks &  
Position Assurance(17)



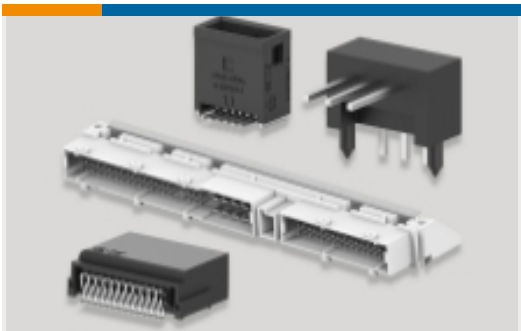
Automotive Housings(100)



Connector Backshells(6)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(36)

Customers Also Bought

DTM06-12SB-E003

Housing for Female Terminals, Wire-to-Wire, 12 Position, .165 in [4.19 mm]  
Centerline, Sealable, Black, Wire & Cable, Power & Signal, Hybrid



TE Part #DT06-3S-EP05  
PLG, 3P, GRY, N, LATCH PROTECT  
CAP

TE Part #776494-3  
AS 16, 8P PLUG ASSY, KEY 3

TE Part #DTM06-2S-E004  
PLG, 2P, BLK, N

TE Part #HDP26-18-20SN-L017  
DEUTSCH HDP20 Housings

TE Part #61549-1  
110 FASTON FLAG REC 22-16 AWG  
TPBR

TE Part #SM2-25  
STRING POT, 25 INCH RANGE

TE Part #638112-3  
PIN, SF, SIZE 16, 14-18 AWG,NO INS,  
NI/SN

TE Part #WM-12S-B026  
WEDGE LOCK, 12P, PLG, GRN, DTM

TE Part #HDC26-18-JDL  
COVER HDP 18 SHL RC RUBBER LYD

Documents

Product Drawings  
PLG, 12P, BLK, N, CAP, B  
English

CAD Files  
3D PDF  
3D  
Customer View Model  
ENG\_CVM\_CVM\_DTM06-12SB-E003\_99\_c-dtm06-12sb-e003-99.2d\_dxf.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_DTM06-12SB-E003\_99\_c-dtm06-12sb-e003-99.3d\_igs.zip  
English  
Customer View Model  
ENG\_CVM\_CVM\_DTM06-12SB-E003\_99\_c-dtm06-12sb-e003-99.3d\_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

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