# DTM04-2P 🗸 ACTIVE

### DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM04-2P Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid

#### View on TE.com >



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Connector System: Wire-to-Wire

Number of Positions: 2

Connector & Housing Type: Housing for Male Terminals

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

Sealable: Yes

All DEUTSCH DTM Housings (109)

### Features

### Product Type Features

Mixed & Hybrid Connector

| Connector Shape                   | Rectangular                |
|-----------------------------------|----------------------------|
| Connector System                  | Wire-to-Wire               |
| Connector & Housing Type          | Housing for Male Terminals |
| Sealable                          | Yes                        |
| Connector & Contact Terminates To | Wire & Cable               |
| Primary Locking Feature           | Integrated in Housing      |
| Configuration Features            |                            |
| Blank Cavity Position             | 0                          |
| Number of Positions               | 2                          |
| Number of Rows                    | 1                          |
| Electrical Characteristics        |                            |
| Operating Voltage                 | 250 VAC                    |
| Nominal Voltage Architecture      | 12 V, 24 V, 48 V           |
| Body Features                     |                            |
| Cable Exit Angle                  | 180°                       |

Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid



| Contact SizeSize 20Contact TypePinMating Pin Diameter1.02 mm(.01 in)Contact Current Rating (Max)7.5 AMating Pin Diameter7.5 AContact Current Rating (Max)YeaMatchild AttachmentYeaTerminal Position AssuranceYeaStrain ReliefAdd By AccessoryMating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GFContext PickingPA GFContext Hight1.621 mm(.638 in)Product Freight1.621 mm(.638 in)Product Length1.621 mm(.638 in)Product Length1.634 mm(.651 in)Product Length1.625 mm(.053 – 121 in)Product Length1.55 mm(.053 – 121 in)Operating Temperature (Max)1.55 mm(.053 mm(.053 – 121 in)Operating Temperature (Max)1.55 mm(.053 mm(.053 mm(.054 mm(.054 mm(.054 mm(.054 mm(.054 mm(.054 mm(.054 mm(.054 mm(   | Primary Product Color                | Gray                               |
|--|--------------------------------------|------------------------------------|
| Contact TypePinMating Pin Diameter1.02 mm[.04 in]Contact Current Rating (Max)7.5 AContact Current Rating (Max)7.6 AMating Pin DiameterYesTerminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypePolarizedMating Alignment TypeCable Mount (Free Hanging)Connector Mounting TypeCable Mount (Free Hanging)Housing MaterialPA GFConnector HeightAd 19 mm[.d38 in]Connector Height1.62 mm[.d38 in]Product Height1.63 mm[.d38 in]Product Height1.35 .305 mm[.053 .12 ln]Product Length1.35 .305 mm[.053 .12 ln]Product Length1.35 .305 mm[.053 .12 ln]Poperating Temperature (Max)Sci 212 °C[.47 - 257 °F]Compatible Insulation Diameter RangeSci 212 °C[.47 - 257 °F]Operating Temperature (Max)Prover & SignalCircuit ApplicationProver & SignalIncurt ApplicationProver & SignalPagree of ProtectionMaterialAgency/StandardSki J/030U. Hammability Rating20mm Finame Fistandard UL-94U. Hammability Rating20mm Finameter Standard UL-94  | Contact Features                     |                                    |
| Nating Pin Diameter1.02 run(04 in)Contact Current Rating (Max)7.5 AKehanical AttachmentYesTerminal Position AssuranceYesStrain ReliefAdd Hy AccessoryMating Alignment TypePolarizedConnector Mounting TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GIConnector Mounting TypePA GIConnector Mounting TypePA GIConnector Mounting TypeParmi(165 in]Postige FeaturesYesProduct Wolth16.54 mm(165 in]Product Wolth16.54 mm(1651 in]Product Length1.15 mm(162 in]Product Length1.15 mm(162 in]Product Length1.55 ~Q.50 rm(103312 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature (M   | Contact Size                         | Size 20                            |
| Contact Current Rating (Max)       7.5 A         Machanical Attachment       Yes         Terminal Position Assurance       Ves         Strain Rolled       Add By Accessory         Mating Alignment Type       Polarized         Mating Alignment Type       Other Connector Mounting Type         Connector Mounting Type       Cable Mount (Free-Hanging)         Connector Mounting Type       PA GF         Polarized       PA GF         Contector Mounting Type       PA GF         Contector Height       Al 19 mm (165 in)         Connector Height       16.54 mm (651 in)         Product Height       16.54 mm (651 in)         Product Length       1.35 – 305 mm (053 – 12 in)         Compatible Insulation Diameter Range       1.35 – 305 mm (053 – 12 in)         Operating Temperature (Max)       Sci C(257 °F)         Operating Temperature (Max)       1.55 – 125 °C) 67 – 257 °F)         Operating Temperature Range       Sci C(257 °F)  | Contact Type                         | Pin                                |
| Ackanical Attachment         Yes           Terminal Position Assurance         Yes           Strain Relief         Add By Accessory           Mating Alignment Type         Polarized           Mating Alignment         With           Connector Mounting Type         Cable Mount (Free-Hanging)           Housing Fastures         PA GF           Founder Mounting Type         PA GF           Connector Mounting Type         PA GF           Founder Method         Ald Strain (Free-Hanging)           Connector Mounting Type         PA GF           Connector Mounting Type         PA GF           Connector Height         Alog Participation           Connector Height         16.54 mm (Ast in)           Product Length         41.55 mm (Ast in)           Product Length         1.55 - 305 mm (Ast in)           Product Length         1.55 - 305 mm (Ast in)           Operating Temperature (Max)         125 CQES "F]           Operating Temperature (Max)         125 CQES "F]           Operating Temperature (Max)         125 CQES "F]           Crucit Application         Power & Signal           Induct Application         Power & Signal           Pogree of Protection         Power & Signal           Agency/Standard  | Mating Pin Diameter                  | 1.02 mm[.04 in]                    |
| Terminal Position Assurance         Yes           Strain Rolief         Add Ry Accessory           Mating Alignment Type         Polarized           Mating Alignment         With           Connector Mounting Type         Cable Mount (Free-Hanging)           Housing Material         PA GF           Connector Mounting Type         PA GF           Connector Meight         1.19 mm[.165 in]           Centerline (Ptich)         1.621 mm[.638 in]           Product Width         16.541 mm[.635 in]           Product Length         1.415 mm[.632 in]           Product Length         1.415 mm[.632 in]           Opperating Temperature (Max)         1.35 - 3.05 mm[.05312 in]           Opperating Temperature (Max)         1.55 - 125 °C[-67 - 257 °F]           Opperating Temperature (Max)         125 °C[257 °F] <t< td=""><td>Contact Current Rating (Max)</td><td>7.5 A</td></t<>  | Contact Current Rating (Max)         | 7.5 A                              |
| Strain ReliefAdd By AccessoryMating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPA GFHousing MaterialPA GFCenterline (Ptich)Al.19 mm(1.65 In]DimensionsStormer, 653 In]Product Width16.21 mm(.638 in]Product Width14.54 mm(.651 In]Product Width1.35 - 3.05 mm(.05312 In]Product Length1.35 - 3.05 mm(.05312 In]Operating Temperature (Max)125 °C[257 °F]Operating Temperature (Max)55 - 125 °C[-47 - 257 °F]Operating Temperature (Max)Power & SignalCircuit ApplicationPower & SignalIndustry StandardStal 2030Up Eignee of ProtectionAke J2030Agency/StandardStal 2030Ut Hammability RatingStal 2030  | Mechanical Attachment                |                                    |
| Mating Alignment TypePolarizedMating AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Housing FeaturesPA GFHousing MaterialPA GFCenterline (Pitch)4.19 mm[.165 in]DimensionsConnector HeightConnector Height16.21 mm[.638 in]Product Height16.54 mm[.651 in]Product Uright1.35 – 3.05 mm[.053 – 12 in]Compatible Insulation Diameter Range  | Terminal Position Assurance          | Yes                                |
| Mating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPA GFHousing MaterialPA GFCenterline (Pitch)A.19 mm[.165 in]DumensionsSouth (Free-Hanging)Connector Height16.21 mm[.638 in]Product Uridth16.54 mm[.651 in]Product Longth41.15 mm[1.62 in]Compatible Insulation Diameter RangeJ.35 – 3.05 mm[.053 – .12 in]Operating Temperature (Max)125 °C[.67 ~ F]Operating Temperature (Max)125 °C[.67 ~ 257 °F]Operating Temperature (Max)Power & SignalCircuit ApplicationPower & SignalCircuit ApplicationPower & SignalImage Of ProtectionProduct SignalAgency/StandardSAE J2030UL Hammability RatingSouth Signal Gutton SignalPackaging FeaturesSouth Signal Gutton Signal   | Strain Relief                        | Add By Accessory                   |
| Connector Mounting Type       Cable Mount (Free Hanging)         Housing Features       PA GF         Housing Material       PA GF         Centerline (Pitch)       4.19 mm[.165 in]         Dimensions       16.21 mm[.638 in]         Product Width       16.54 mm[.631 in]         Product Width       16.54 mm[.621 in]         Ornector Height       1.35 – 3.05 mm[.053 – .12 in]         Compatible Insulation Diameter Range       1.35 – 3.05 mm[.053 – .12 in]         Operating Temperature (Mas)       125 °C[257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       Power & Signal         Instruct Application       Power & Signal         Instruct Application       Power & Signal         Instruct Application       Product Signal         Instruct Application       Power & Signal         Instruct Application       Power & Signal         Instruct Application       Power & Signal         Instruct Application       Product Signal         Instruct Application       Power & Signal         Instruct Application       Power & Signal         Instruct Application       Pomer Signal   | Mating Alignment Type                | Polarized                          |
| Housing Features         Housing Material       PA GF         Centerline (Pitch)       4.19 mm[.165 in]         Dimensions       5         Connector Height       16.21 mm[.638 in]         Product Width       16.54 mm[.651 in]         Product Length       1.05 mm[.05312 in]         Compatible Insulation Diameter Range       1.35 - 3.05 mm[.05312 in]         Operating Temperature Range       1.25 °C[257 °F]         Operating Temperature Range       55 - 125 °C[-67 - 257 °F]         Operating Temperature Range       55 - 125 °C[-67 - 257 °F]         Operating Temperature Range       Power & Signal         Industry Standards       Forduct Signal         Degree of Protection       PAGE         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94  | Mating Alignment                     | With                               |
| Housing Material       PA GF         Housing Material       PA GF         Centerline (Pitch)       4.19 mm[.165 in]         Dimensions       5.21 mm[.638 in]         Connector Height       16.21 mm[.638 in]         Product Width       16.54 mm[.651 in]         Product Length       11.15 mm[1.62 in]         Compatible Insulation Diameter Range       1.35 = 3.05 mm[.053 = .12 in]         Operating Temperature (Max)       125 °C[257 °F]         Operating Temperature Range       55 = 125 °C[.67 - 257 °F]         Operating Temperature Range       9wer & Signal         Operating Temperature Range       Power & Signal         Operating Temperature Range       Power & Signal         Operatory Standards       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94  | Connector Mounting Type              | Cable Mount (Free-Hanging)         |
| Centerline (Pitch)       4.19 mml.165 in]         Dimensions       16.21 mm[.638 in]         Product Width       16.54 mm[.651 in]         Product Width       16.54 mm[.651 in]         Product Length       41.15 mm[1.62 in]         Compatible Insulation Diameter Range       1.35 – 3.05 mm[.053 – .12 in]         Operating Temperature (Max)       125 °C[257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operating Temperature Range       Power & Signal         Industry Standards       Power & Signal         Industry Standards       -52 – 320 °C         Up Hanmability Rating       20mm Flame Test per Standard UL 94  | Housing Features                     |                                    |
| Dimensions         Connector Height       16.21 mm[.638 in]         Product Width       16.54 mm[.651 in]         Product Length       1.15 mm[1.62 in]         Compatible Insulation Diameter Range       1.35 - 3.05 mm[.05312 in]         Usage Conditions       1.35 - 3.05 mm[.05312 in]         Usage Conditions       1.50 °C[ - 257 °F]         Operating Temperature Range       55 - 125 °C[ - 257 °F]         Operating Temperature Range       Sover Asignal         Operating Temperature Range       Sover Asignal         Operating Temperature Range       Power & Signal         Industry Standards       Power & Signal         Industry Standards       Sover & Signal         Industry Standard       Ase 2030         Industry Standard       Omm Flame Testandard UL Pad         Patagense Flames       Sover & Signal Patagense         Industry Standard       Power & Signal Patagense         Industry Standard       Power & Signal Patagense         Industry Standards       Power & Signal Patagense         Industry Standard       Power & Signal Patagense   | Housing Material                     | PAGF                               |
| Connector Height       16.21 mm[.638 in]         Product Width       16.54 mm[.651 in]         Product Length       41.15 mm[1.62 in]         Compatible Insulation Diameter Range       1.35 - 3.05 mm[.05312 in]         Compatible Insulation Diameter Range       1.55 - 125 °C[/257 °F]         Operating Temperature (Max)       125 °C[/257 °F]         Operating Temperature Range       -55 - 125 °C[/257 °F]         Crouit Application       Power & Signal         Icruit Application       Power & Signal         Degree of Protection       P68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       Jomm Flame Test per Standard UL-94  | Centerline (Pitch)                   | 4.19 mm[.165 in]                   |
| Product Width16.54 mm[.651 in]Product Length41.15 mm[1.62 in]Compatible Insulation Diameter Range1.35 – 3.05 mm[.053 – .12 in]Compatible Insulation Diameter Range1.35 – 3.05 mm[.053 – .12 in]Operating Temperature (Max)125 °C[.57 °F]Operating Temperature Range-55 – 125 °C[.67 – 257 °F]Operating Temperature Range-55 – 125 °C[.67 – 257 °F]Operatiny ApplicationPower & SignalOperatiny Standards-Degree of ProtectionPoker & SignalAgency/StandardSAE J2030UL Flammability Rating20mm Flame Test per Standard UL-94  | Dimensions                           |                                    |
| Product Length       41.15 mm[1.62 in]         Compatible Insulation Diameter Range       1.35 – 3.05 mm[.053 – .12 in]         Usage Conditions       125 °C[257 °F]         Operating Temperature (Max)       125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operation/Application       Fower & Signal         Circuit Application       Power & Signal         Industry Standards       Power & Signal         Jogree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94  | Connector Height                     | 16.21 mm[.638 in]                  |
| Compatible Insulation Diameter Range       1.35 – 3.05 mm[.053 – .12 in]         Compatible Insulation Diameter Range       125 °C[257 °F]         Operating Temperature (Max)       125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operation/Application       Power & Signal         Operation/Application       Power & Signal         Industry Standards       IP68, IP6K9K         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94   | Product Width                        | 16.54 mm[.651 in]                  |
| Usage Conditions       125 °C[257 °F]         Operating Temperature (Max)       125 °C[-67 – 257 °F]         Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operation/Application       Power & Signal         Industry Standards       Power & Signal         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94   | Product Length                       | 41.15 mm[1.62 in]                  |
| Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 – 125 °C[-67 – 257 °F]Operation/ApplicationFower & SignalCircuit ApplicationPower & SignalIndustry Standards   | Compatible Insulation Diameter Range | 1.35 – 3.05 mm[.053 – .12 in]      |
| Operating Temperature Range       -55 – 125 °C[-67 – 257 °F]         Operation/Application       Power & Signal         Circuit Application       Power & Signal         Industry Standards       IP68, IP6K9K         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94   | Usage Conditions                     |                                    |
| Operation/Application       Power & Signal         Circuit Application       Power & Signal         Industry Standards       IP68, IP6K9K         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94  | Operating Temperature (Max)          | 125 °C[257 °F]                     |
| Circuit Application       Power & Signal         Industry Standards       Industry Standards         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94   | Operating Temperature Range          | -55 – 125 °C[-67 – 257 °F]         |
| Industry Standards         Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94   | Operation/Application                |                                    |
| Degree of Protection       IP68, IP6K9K         Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94  | Circuit Application                  | Power & Signal                     |
| Agency/Standard       SAE J2030         UL Flammability Rating       20mm Flame Test per Standard UL-94         Packaging Features       Value of the sector o | Industry Standards                   |                                    |
| UL Flammability Rating 20mm Flame Test per Standard UL-94 Packaging Features   | Degree of Protection                 | IP68, IP6K9K                       |
| Packaging Features   | Agency/Standard                      | SAE J2030                          |
|  | UL Flammability Rating               | 20mm Flame Test per Standard UL-94 |
| Packaging Quantity 1200  | Packaging Features                   |                                    |
|  | Packaging Quantity                   | 1200                               |

Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid



| Packaging Method  | Box                                     |
|---|---|
| Other   |   |
| Serviceable   | Yes                                     |
| Connector Position Assurance Capable  | No                                      |
| Product Compliance<br>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  |

EU REACH Regulation (EC) No. 1907/2006

Halogen Content

Solder Process Capability

Not Low Halogen - contains Br or Cl > 900 ppm.

Candidate List Declared Against: JUNE

Does not contain REACH SVHC

(235)

2023 (235)

Not reviewed for solder process capability

Product Compliance Disclaimer

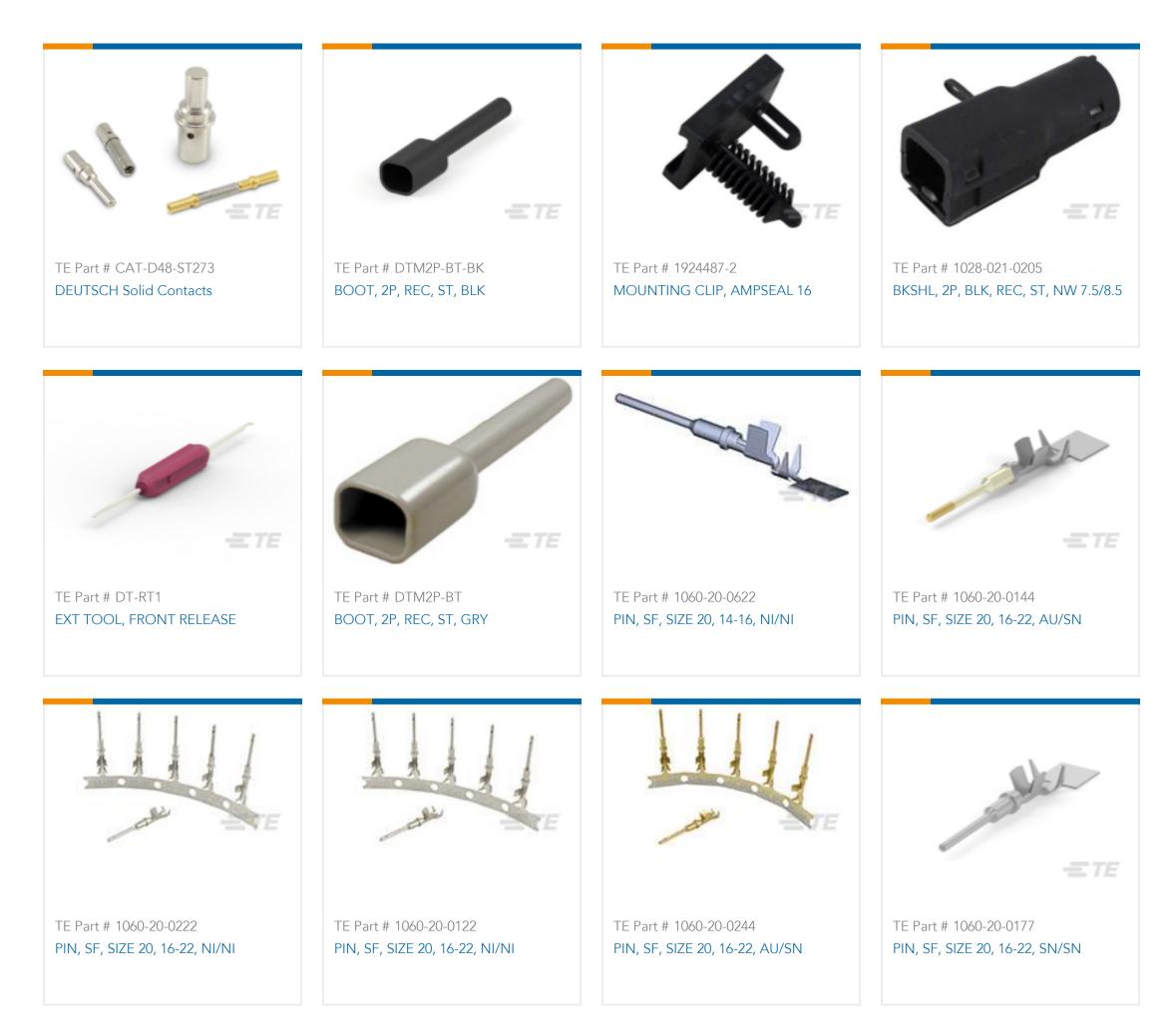
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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



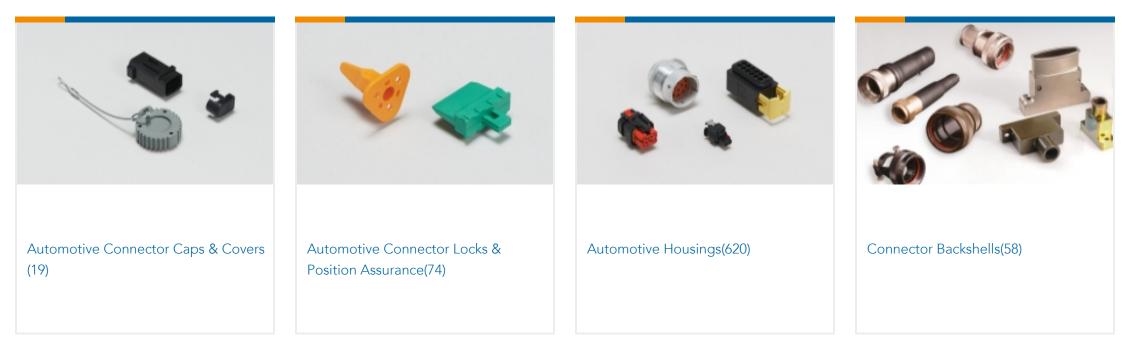
Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid





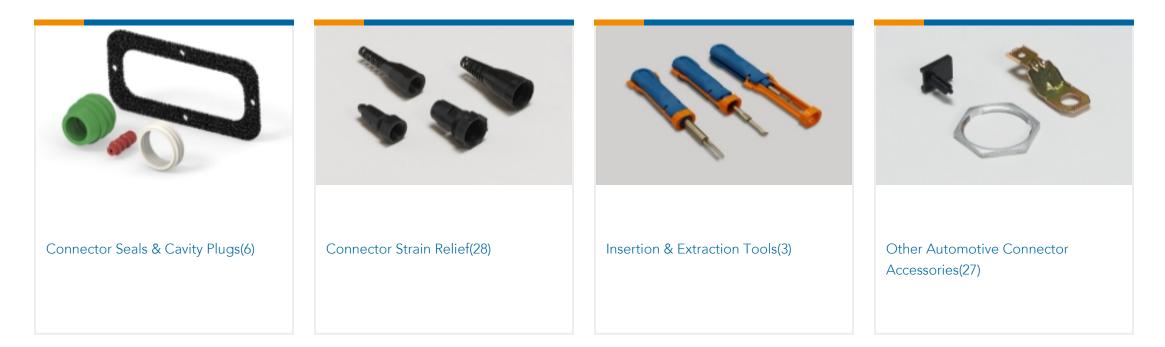


### Also in the Series DEUTSCH DT



Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid







PCB Headers & Receptacles(103)

## Also in the Series DEUTSCH DTM



| Automotive Connector Caps & Covers<br>(7) | Automotive Connector Locks & Position Assurance(17) | Automotive Housings(100)      | Connector |
|---|---|-------------------------------|-----------|
|   |   |                               |           |
| Connector Strain Relief(28)               | Insertion & Extraction Tools(2)                     | PCB Headers & Receptacles(36) |           |

## Customers Also Bought

Backshells(6)

Housing for Male Terminals, Wire-to-Wire, 2 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, Wire & Cable, Power & Signal, Hybrid





### Documents

### **CAD** Files

### 3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_DTM04-2P\_99\_c-dtm04-2p-99.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DTM04-2P\_99\_c-dtm04-2p-99.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DTM04-2P\_99\_c-dtm04-2p-99.3d\_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** 

Engineering Report

English

Agency Approvals

UL Report

English