

DTM06-12SA-E007

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SA-E007

12 Position Housing, Housing for Female Terminals, Wire-to-Wire, 3.81 mm [.15 in] Centerline, Sealable, Gray, Wire & Cable, Power, Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Number of Positions: 12

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

Mating Pin Diameter: 1.02 mm [.04 in]

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

Centerline (Pitch): 3.81 mm [.15 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
Connector Modification	Shrink Boot Adapter
Number of Positions	12
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
Connector & Keying Code	A

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	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Plastic
Centerline (Pitch)	3.81 mm[.15 in]

Dimensions

Row-to-Row Spacing	7.11 mm[.28 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Product Width	17.6 mm[.693 in]
Product Length	37.8 mm[1.49 in]
Connector Height	39.9 mm[1.57 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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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) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519454050) Decamethylcyclopentasiloxane (D5) (.5% in 27519454050) Octamethylcyclotetrasiloxane (D4) (.5% in 27519454050) 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 > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

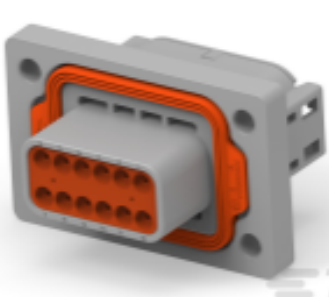
Product Compliance Disclaimer

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 # 1062-20-0222 SOC, SF, SIZE 20, 16-22, NI/NI	 TE Part # 1062-20-0622 SOC, SF, SIZE 20, 14-16, NI/NI	 TE Part # 1062-20-0344 SOC, SF, SIZE 20, 16-22, SLEVLSS, AU /SN	 TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings
 TE Part # 1062-20-0122 SOC, SF, SIZE 20, 16-22, NI/NI	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # 1062-20-0144 SOC, SF, SIZE 20, 16-22, AU/SN	 TE Part # CAT-D485-W416 DEUTSCH DTM Wedgelocks
 TE Part # 1062-20-0244 SOC, SF, SIZE 20, 16-22, AU/SN	 TE Part # 1062-20-0644 SOC, SF, SIZE 20, 14-16, AU/SN	 TE Part # 1062-20-0677 SOC, SF, SIZE 20, 14-16, SN/SN	 TE Part # 1-2303064-1 12POS,STAMPED 20,PIN HSG ASSY, SLD,COD 1
 TE Part # 1062-20-0377 SOC, SF, SIZE 20, 16-22, SLEVLSS, SN /SN	 TE Part # CAT-D485-H342 DEUTSCH DTM Headers	 TE Part # 1062-20-0277 SOC, SF, SIZE 20, 16-22, SN/SN	 TE Part # 1062-20-0177 SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # 1062-20-0322
SOC, SF, SIZE 20, 16-22, SLEVLESS, NI /NI



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

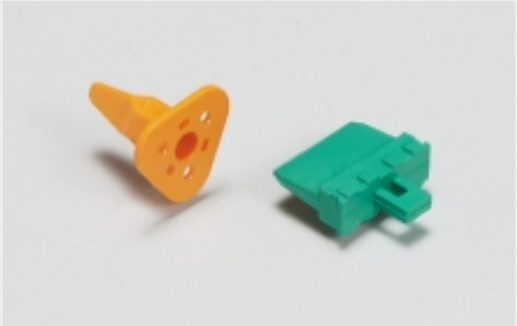


TE Part # DTM04-12PA-EE04
REC, 12P, BLK, N, HIGH TEMP, A



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

Also in the Series | **DEUTSCH DT**



Automotive Connector Locks & Position Assurance(26)



Automotive Housings(109)



Connector Caps & Covers(1)



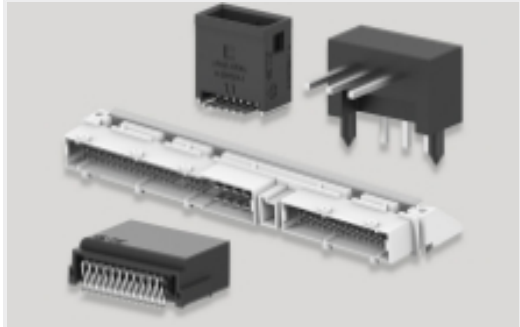
Connector Seals & Cavity Plugs(1)



Connector Strain Relief(28)



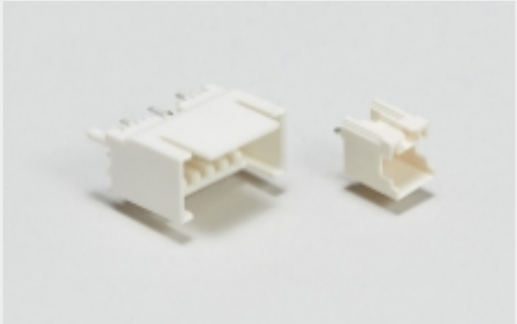
Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(38)



Rectangular Backshells & Clamps(1)

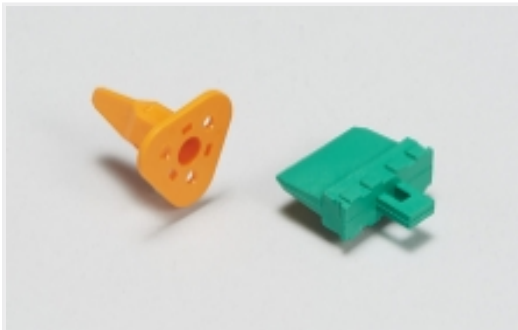


Wire-to-Board Headers & Receptacles (38)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers (7)



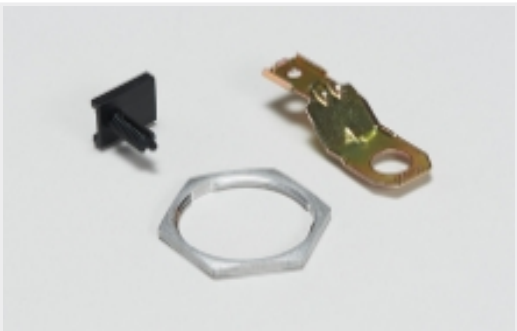
Automotive Connector Locks & Position Assurance(26)



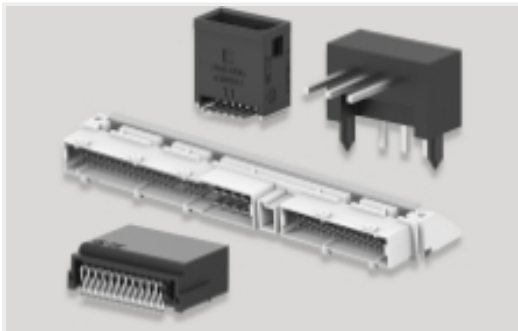
Automotive Housings(109)



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 #TAX38125102-002
RPC-M12X-MS-8CON-PUR-1.0SH



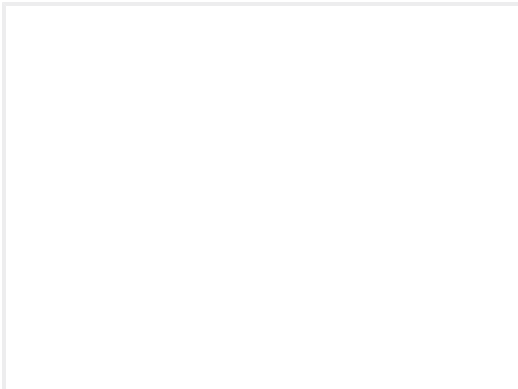
TE Part #0528-012-7005
BKSHL, 70P, BLK, PLG, RA, NO RIB, NW 26



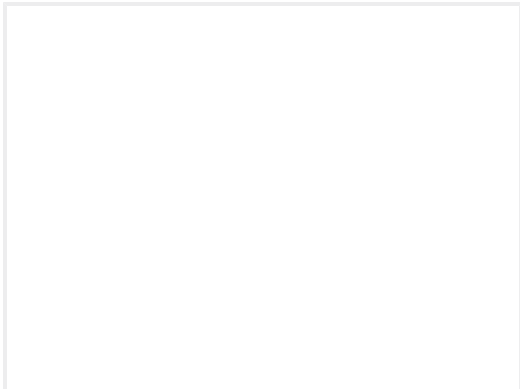
TE Part #K1013120
Relay 29-321-12



TE Part #DRC16-70SAE-P013
PLG, 70P, BLK, E, SEAL BOND, A



TE Part #HDB36-24-16SN-059
BR AWY PL ASM,MC



TE Part #956933-000
CWT-3807-180-8344

Documents

Product Drawings
PLG, 12P, GRY, N, XCAP, A

English

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_DTM06-12SA-E007_99_c-dtm06-12sa-e007-99.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_DTM06-12SA-E007_99_c-dtm06-12sa-e007-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM06-12SA-E007_99_c-dtm06-12sa-e007-99.3d_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](#)

English