

DTM06-12SA-E007

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SA-E007

Housing for Female Terminals, Wire-to-Wire, 12 Position, .165 in [4.19 mm] Centerline, Sealable, Gray, 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	Shrink Boot Adapter
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	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

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	39.88 mm[1.57 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
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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) Candidate List Declared Against: JUNE 2023 (235) SVHC > 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 > 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>



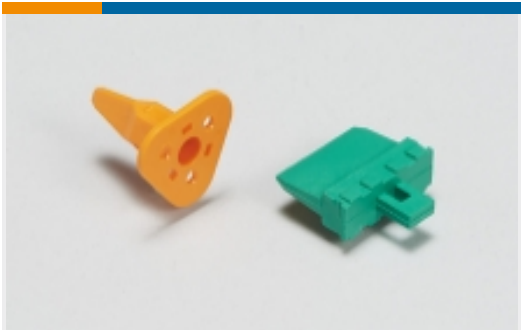
Compatible Parts

 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings	 TE Part # CAT-D485-W416 DEUTSCH DTM Wedgelocks	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts
 TE Part # CAT-D485-H342 DEUTSCH DTM Headers	 TE Part # DTM04-12PA-EE04 REC, 12P, BLK, N, HIGH TEMP, A	 TE Part # 1062-20-0322 SOC, SF, SIZE 20, 16-22, SLEVLESS, NI /NI	 TE Part # 1062-20-0377 SOC, SF, SIZE 20, 16-22, SLEVLESS, SN /SN
 TE Part # 1062-20-0344 SOC, SF, SIZE 20, 16-22, SLEVLESS, AU /SN	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	 TE Part # DTM1312PA12PBR008 HDR, 24P, BLK, RA EEC, NI/CU, AB	 TE Part # DTM13-12PA-R008 HDR, 12P, BLK, RA EEC, NI/CU, A
 TE Part # 1062-20-0622 SOC, SF, SIZE 20, 14-16, NI/NI	 TE Part # 1062-20-0244 SOC, SF, SIZE 20, 16-22, AU/SN	 TE Part # 1062-20-0222 SOC, SF, SIZE 20, 16-22, NI/NI	 TE Part # 1062-20-0122 SOC, SF, SIZE 20, 16-22, NI/NI
 TE Part # 1062-20-0144 SOC, SF, SIZE 20, 16-22, AU/SN	 TE Part # 1062-20-0177 SOC, SF, SIZE 20, 16-22, SN/SN	 TE Part # 1062-20-0277 SOC, SF, SIZE 20, 16-22, SN/SN	 TE Part # 1062-20-0644 SOC, SF, SIZE 20, 14-16, AU/SN

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(47)



Automotive Connector Locks &
Position Assurance(74)



Automotive Housings(620)



Connector Backshells(58)



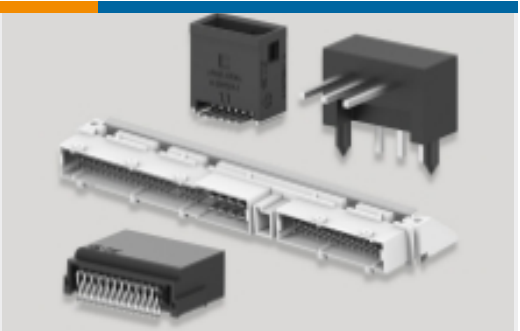
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(3)



Other Automotive Connector
Accessories(27)



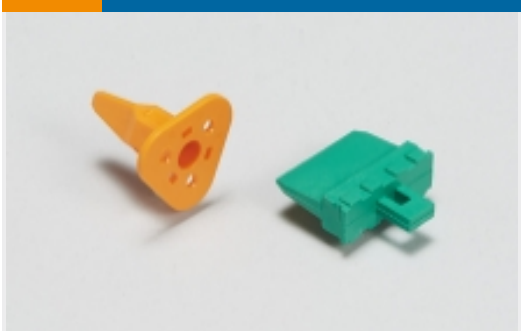
PCB Headers & Receptacles(103)

Also in the Series

DEUTSCH DTM



Automotive Connector Caps & Covers
(35)



Automotive Connector Locks &
Position Assurance(17)



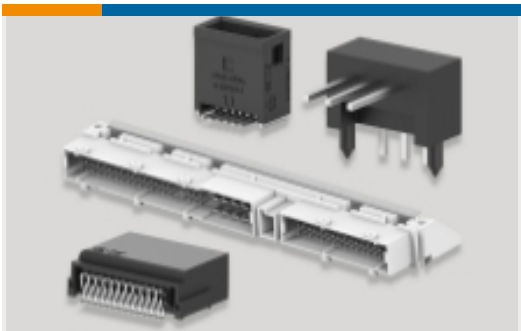
Automotive Housings(100)



Connector Backshells(6)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(36)

Customers Also Bought





TE Part #DT04-12PA-E008
DEUTSCH DT Receptacle Connectors



TE Part #DT06-12SA-E008
DEUTSCH DT Plug Connectors



TE Part #HD36-18-21SN-059
PLG,21P,AL,N, CBL CLMP BT, DRAIN, 20,S,MC



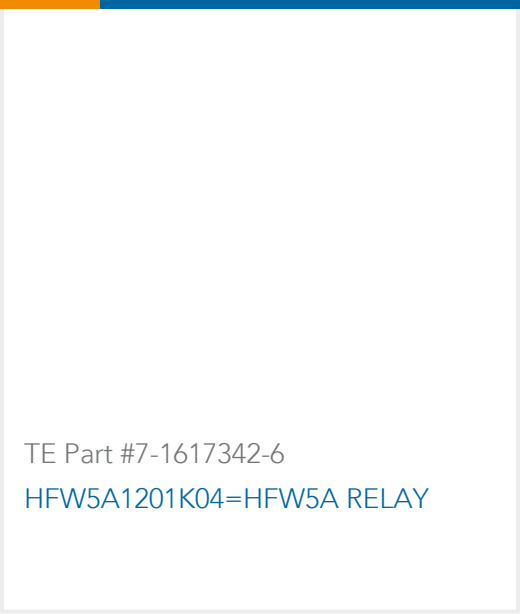
TE Part #DTM06-08SA-E007
DEUTSCH DTM Housings



TE Part #208223-9
CPC RECPT ASSEMBLY SIZE 13-9



TE Part #DTM13-12PA-R008
HDR, 12P, BLK, RA EEC, NI/CU, A



TE Part #7-1617342-6
HFW5A1201K04=HFW5A RELAY

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

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
Application Specification
English



[Agency Approvals](#)

[UL Report](#)

English