



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



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

Number of Positions: **12**

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

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

Sealable: **Yes**

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

Features

Product Type Features

Mixed & Hybrid Connector	No
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
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	A

Contact Features

Contact Size	Size 20
Contact Type	Pin
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	20.22 mm[.796 in]
Product Length	45.21 mm[1.78 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
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Industry Standards

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

Packaging Features

Packaging Quantity	350
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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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>

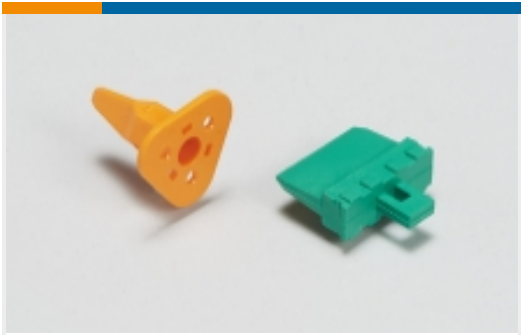
Compatible Parts

			
TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings	TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	TE Part # CAT-D485-W416 DEUTSCH DTM Wedgelocks	TE Part # CAT-D487-M8649 DEUTSCH DT Mounting Clips
			
TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	TE Part # 1011-052-1205 SEAL RET, 12P, GRY, DTM, A	TE Part # 1924487-2 MOUNTING CLIP, AMPSEAL 16	TE Part # DT-RT1 EXT TOOL, FRONT RELEASE
			
TE Part # 1060-20-0144 PIN, SF, SIZE 20, 16-22, AU/SN	TE Part # 1060-20-0622 PIN, SF, SIZE 20, 14-16, NI/NI	TE Part # 1060-20-0222 PIN, SF, SIZE 20, 16-22, NI/NI	TE Part # 1060-20-0122 PIN, SF, SIZE 20, 16-22, NI/NI
			
TE Part # 1060-20-0244 PIN, SF, SIZE 20, 16-22, AU/SN	TE Part # 1060-20-0177 PIN, SF, SIZE 20, 16-22, SN/SN	TE Part # 1060-20-0277 PIN, SF, SIZE 20, 16-22, SN/SN	TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance (87)



Automotive Housings (706)



Connector Backshells (61)



Connector Seals & Cavity Plugs (6)



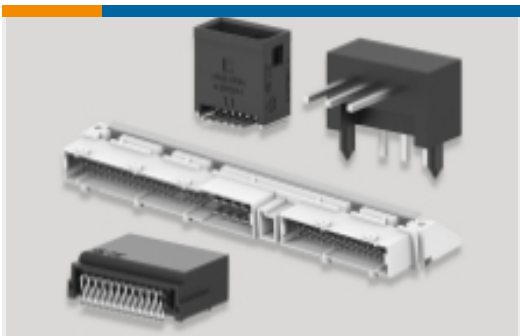
Connector Strain Relief (28)



Insertion & Extraction Tools (3)



Other Automotive Connector Accessories (28)

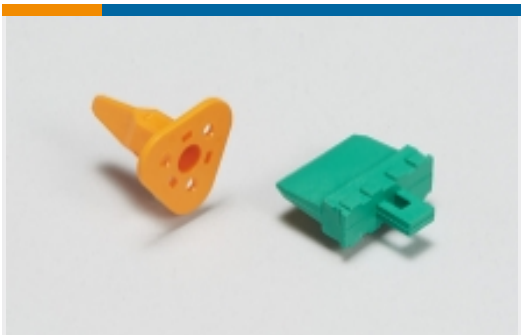


PCB Headers & Receptacles (106)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers (7)



Automotive Connector Locks & Position Assurance (25)



Automotive Housings (104)



Connector Backshells (7)



Connector Strain Relief (28)



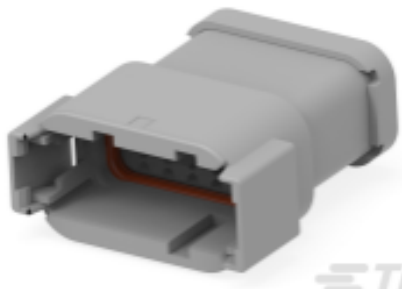
Insertion & Extraction Tools (2)




PCB Headers & Receptacles (38)




Customers Also Bought




TE Part #DTM04-12PA-E003
REC, 12P, GRY, N, CAP, A




TE Part #DT04-12PB-BE02
DEUTSCH DT Receptacle Connectors




TE Part #WM-12P
WEDGE LOCK, 12P, REC, ORG, DTM




TE Part #DT06-08SA-EP08
PLG, 8P, BLK, N, SEAL RET, CAP, A




TE Part #DTCE04-1-8P-E003
DTCE RECP ASM




TE Part #HDP26-24-23SN-L015
PLG, 23P, BLK, N, THD, 16, S



TE Part #5053094268
RNF-100-1/4-BK-SP



TE Part #DRC16-70SB-P013
PLG, 70P, BLK, N, SEAL BOND, B



TE Part #HD10-9BT
BOOT, 9P, PLG/REC, ST, GRY

Documents

Product Drawings
REC, 12P, BLK, N, CAP, A
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_DTM04-12PA-E005_A.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_DTM04-12PA-E005_A.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_DTM04-12PA-E005_A.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