



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Number of Positions: 8

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

Industry Standards

IP Rating	IP6K9K, IP68
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	UL 94V-0

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	31.6 mm[1.24 in]
Connector Height	39.9 mm[1.57 in]

Packaging Features

Packaging Quantity	1
Packaging Method	Package

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed



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

Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	A

Housing Features

Housing Material	PA 66
Centerline (Pitch)	3.81 mm[.15 in]

Contact Features

Contact Size	Size 20
Contact Type	Socket
Mating Pin Diameter	1.02 mm[.04 in]
Contact Current Rating (Max)	7.5 A

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
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Connector Modification	Shrink Boot Adapter
Number of Positions	8
Number of Rows	2

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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Product Compliance

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

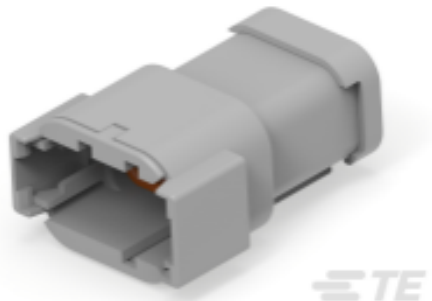
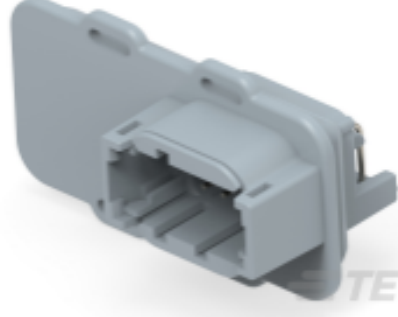
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > 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>

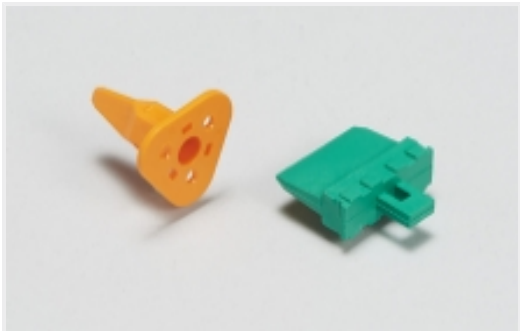


Compatible Parts

			
TE Part # DTM04-08PA-C017 REC, 8P, GRY, BLOCKED, A	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 # 1062-20-0244 SOC, SF, SIZE 20, 16-22, AU/SN	TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings	TE Part # CAT-D485-W416 DEUTSCH DTM Wedgelocks	TE Part # YDTM04-08PA-L02500 REC, 8P, GRY, N, FLANGE, A
			
TE Part # 1062-20-0622 SOC, SF, SIZE 20, 14-16, NI/NI	TE Part # 1062-20-0222 SOC, SF, SIZE 20, 16-22, NI/NI	TE Part # 1062-20-0344 SOC, SF, SIZE 20, 16-22, SLEVLESS, AU /SN	TE Part # 1062-20-0677 SOC, SF, SIZE 20, 14-16, SN/SN
			
TE Part # 1062-20-0644 SOC, SF, SIZE 20, 14-16, AU/SN	TE Part # 1062-20-0377 SOC, SF, SIZE 20, 16-22, SLEVLESS, SN /SN	TE Part # 1062-20-0177 SOC, SF, SIZE 20, 16-22, SN/SN	TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs
			
TE Part # 1062-20-0277 SOC, SF, SIZE 20, 16-22, SN/SN	TE Part # DTM13-08PA-R004 HDR, 8P, GRY, RA, NI/CU, A	TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	TE Part # 1062-20-0322 SOC, SF, SIZE 20, 16-22, SLEVLESS, NI /NI



Also in the Series | **DEUTSCH DT**



Automotive Connector Locks & Position Assurance(26)



Automotive Headers(38)



Automotive Housings(109)



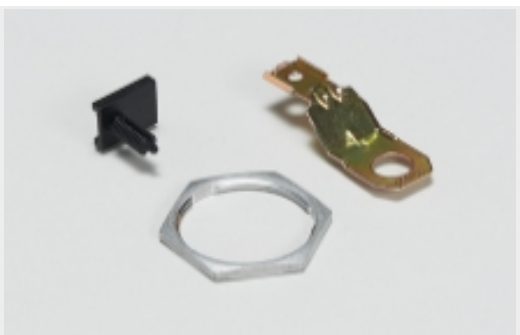
Connector Caps & Covers(1)



Connector Strain Relief(28)



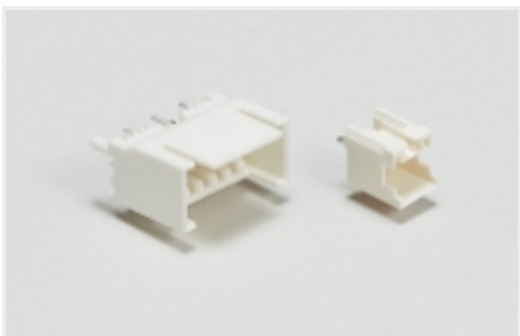
Insertion & Extraction Tools(2)



Other Automotive Connector Accessories(7)



Rectangular Backshells & Clamps(1)

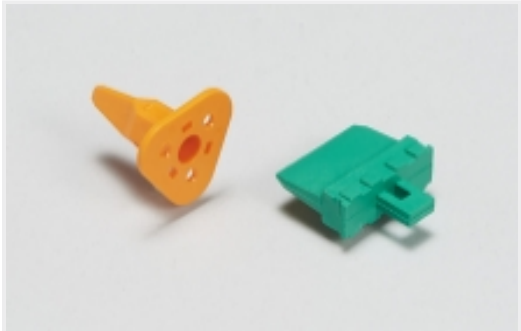


Wire-to-Board Headers & Receptacles (38)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers (7)



Automotive Connector Locks & Position Assurance(26)



Automotive Housings(109)

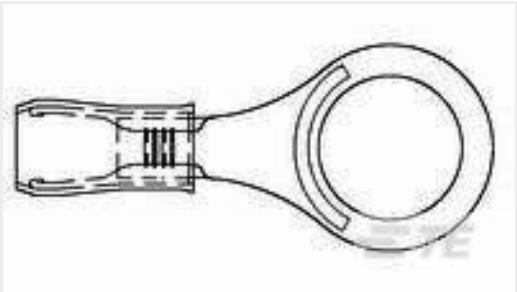


Connector Strain Relief(28)



Rectangular Backshells & Clamps(1)

Customers Also Bought



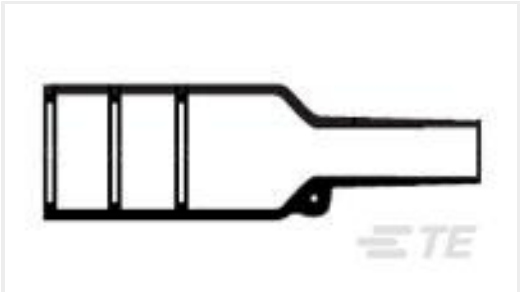
TE Part #150300
22-16 PIDG NYLON R/T 5/16 RED



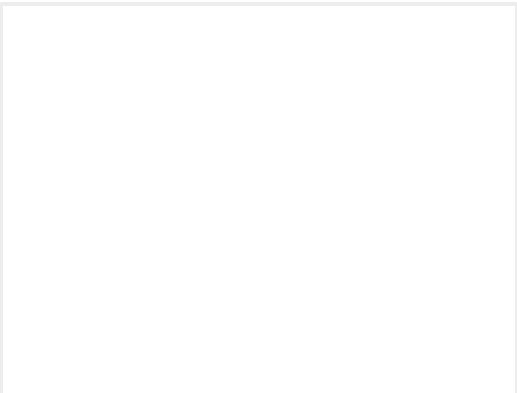
TE Part #CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part #DT06-6S-E008
PLG, 6P, GRY, N, XCAP



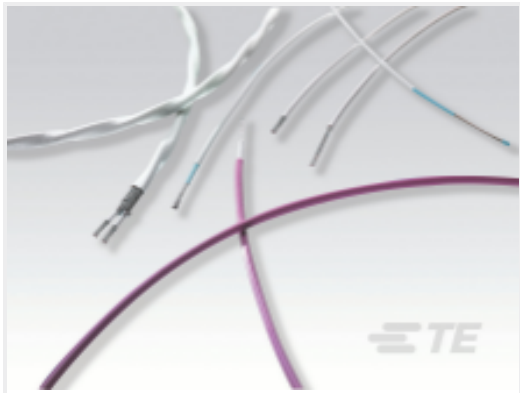
TE Part #879118-000
202K132-25/42-0



TE Part #ER4369-000
M22759/32-14-9



TE Part #F79260-000
22759/32-20-9-L158



TE Part #D34363-000
22759/32-16-9CS2621

Documents

Product Drawings

PLG, 8P, GRY, N, XCAP, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM06-08SA-E007_99_c-dtm06-08sa-e007-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTM06-08SA-E007_99_c-dtm06-08sa-e007-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM06-08SA-E007_99_c-dtm06-08sa-e007-99.3d_stp.zip

English

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Datasheets & Catalog Pages
ICT Terminals and Connectors Catalogue

English
CONNECTOR SELECTOR
English

Product Specifications
Engineering Report

English

Agency Approvals
UL Report

English