

DTM06-12SA

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SA

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
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°
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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	15.24 mm[.6 in]
Product Length	30.1 mm[1.185 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
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features



Packaging Quantity	600
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

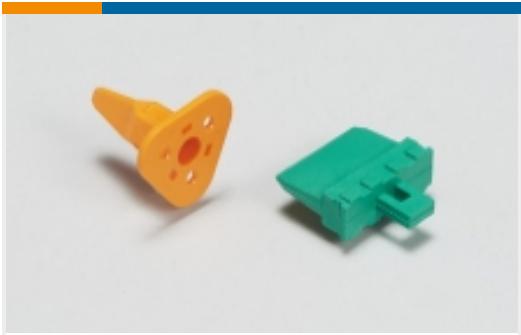


 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # CAT-D485-H342 DEUTSCH DTM Headers	 TE Part # CAT-D485-CH8172 DEUTSCH DTM Housings	 TE Part # CAT-D485-W416 DEUTSCH DTM Wedgelocks
 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	 TE Part # DTM12S-BT-BK BOOT, 12P, PLG, ST, BLK	 TE Part # 1062-20-0622 SOC, SF, SIZE 20, 14-16, 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 # 1028-015-1205 BKSHL, 12P, BLK, PLG, ST, NW 13/17	 TE Part # DTM04-12PA-EE04 REC, 12P, BLK, N, HIGH TEMP, A
 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 # 1062-20-0322 SOC, SF, SIZE 20, 16-22, SLEVLESS, 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 # 1-2303064-1 12POS, STAMPED 20, PIN HSG ASSY, SLD, COD 1	 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

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(19)



Automotive Connector Locks &
Position Assurance(86)



Automotive Housings(654)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



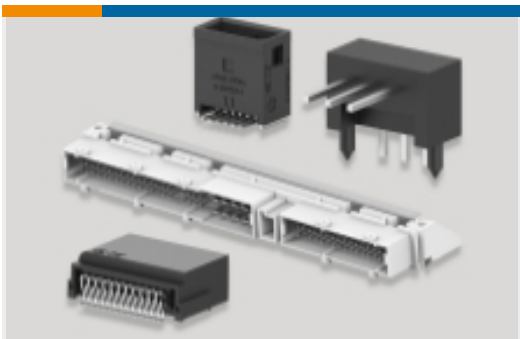
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector
Accessories(28)



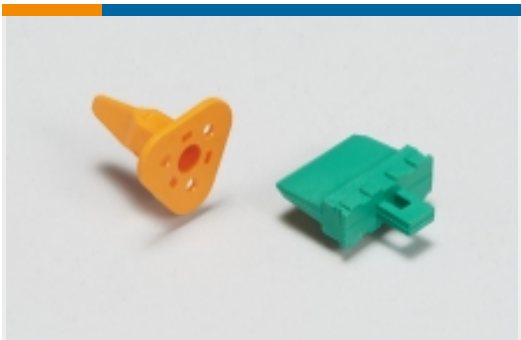
PCB Headers & Receptacles(105)

Also in the Series

DEUTSCH DTM



Automotive Connector Caps & Covers
(7)



Automotive Connector Locks &
Position Assurance(25)



Automotive Housings(100)



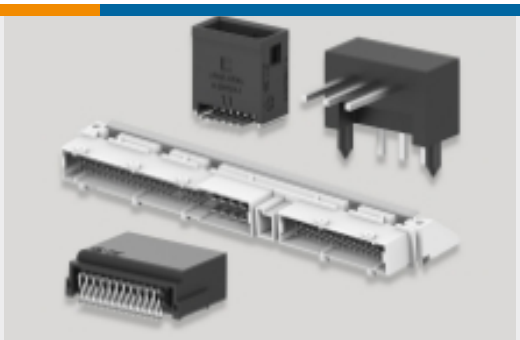
Connector Backshells(7)



Connector Strain Relief(28)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(37)



Customers Also Bought



TE Part # W12S
Wedgelocks: DEUTSCH DT



TE Part # DTM06-3S
DEUTSCH DTM Housings



TE Part # WM-4S
DEUTSCH DTM Wedgelocks



TE Part # DT06-4S
PLG, 4P, GRY, N



TE Part # 0462-005-20141
SOC, SOLID, SIZE 20, 16-18AWG, NI



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

Documents

Product Drawings

PLG, 12P, GRY, N, A

English

CAD Files

Customer View Model

ENG_CVM_CVM_DTM06-12SA_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM06-12SA_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM06-12SA_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