

# DTM06-12SA-E007 ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

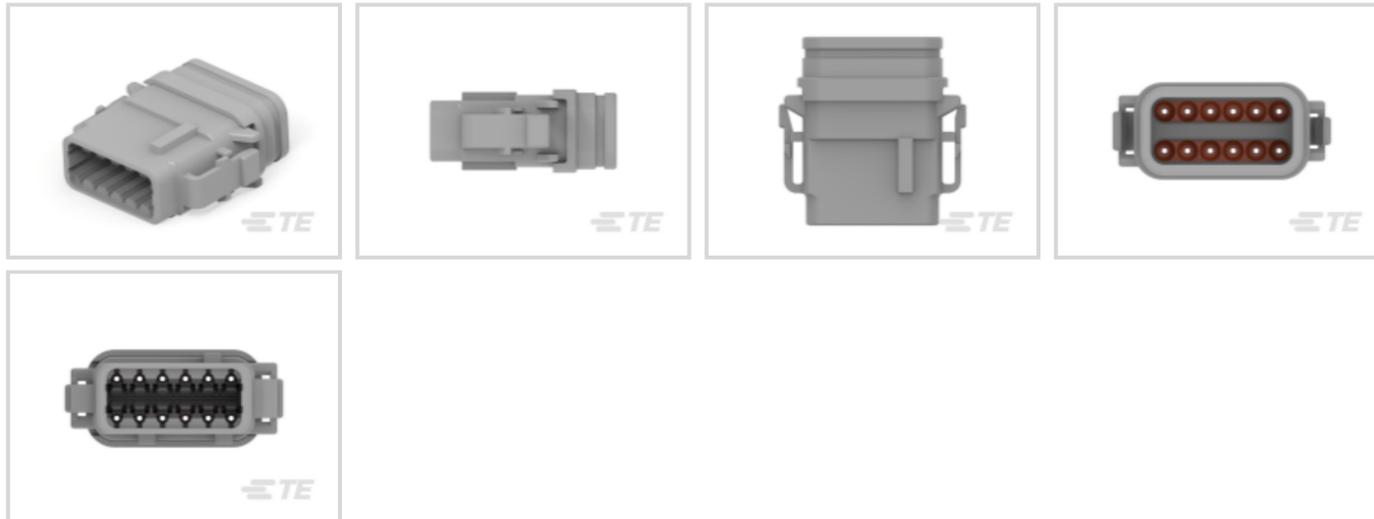
TE Internal #: DTM06-12SA-E007

12 V / 24 V / 48 V, 12 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.81 mm [.15 in] Centerline, Sealable, Gray, Hybrid

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 12

Sealable: **Yes**

Operating Temperature Range: -55 – 125 °C [ -67 – 257 °F ]

[All DEUTSCH DTM Housings \(103\)](#)

## Features

### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector System	Wire-to-Wire
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 Range	-55 – 125 °C[-67 – 257 °F]
Operating Temperature (Max)	125 °C[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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in 27519454050) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519454050) Decamethylcyclopentasiloxane (D5) (.5% in 27519454050) <b>Article Safe Usage Statements:</b> 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 # 1-2303064-1  
12POS, STAMPED 20, PIN HSG ASSY,  
SLD, COD 1



TE Part # CAT-D48-ST273  
DEUTSCH Connector Solid Contacts



TE Part # CAT-D485-CH8172  
DEUTSCH DTM Housings



TE Part # CAT-D485-W416  
DEUTSCH DTM Wedgelocks



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-D48-SFT273  
DEUTSCH Connector Stamped and  
Formed Contacts - Reel



TE Part # CAT-D485-H342  
DEUTSCH DTM Headers



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 Caps & Covers  
(62)



Other Automotive Connector  
Accessories(8)



Rectangular Connector Housings(1)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(1)

### Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (62)



Automotive Housings(124)



Other Automotive Connector Accessories(8)

### Customers Also Bought



TE Part #0413-204-2005  
SEALING PLUG, SIZE 20, RED



TE Part #CAT-D485-CH8172  
DEUTSCH DTM Housings



TE Part #DT06-12SA-E008  
PLG, 12P, GRY, N, XCAP, A



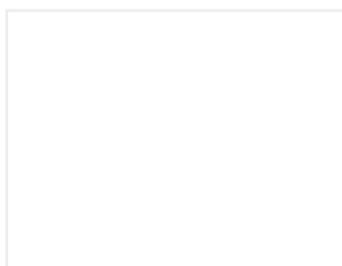
TE Part #2081385-5  
CA,FAKRA F TO M,RTK031,W SLIP,  
3000MM



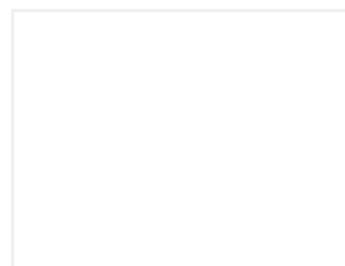
TE Part #2-2176327-9  
CRGP 0805 2K2 1%



TE Part #3-2176328-1  
CRGP 1206 3K3 1%



TE Part #AAB1760-00  
91H1-13-09-1-B-HE200



TE Part #AAB1680-00  
91H1-13-04-1-B-HE050



TE Part #1-967621-5  
JUN-POW-TIM GEH 9P



## Documents

### Product Drawings

[PLG, 12P, GRY, N, XCAP, A](#)

English

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### 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.

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### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English