DTM06-12SA-E007 ✔ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-12SA-E007

Housing for Female Terminals, Wire-to-Wire, 12 Position, 3.81 mm [.15 in] Centerline, Sealable, Gray, Wire & Cable, Power, Hybrid

View on TE.com >

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): **3.81 mm [.15 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 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	250 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 mm[.04 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
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

Connector Height	39.9 mm[1.57 in]
Product Width	17.6 mm[.693 in]
Product Length	37.8 mm[1.49 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

Industry Standards

Degree of Protection	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	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-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 # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI



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 # 1062-20-0277
SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # DTM04-12PA-EE04
REC, 12P, BLK, N, HIGH TEMP, A



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 # 1062-20-0244
SOC, SF, SIZE 20, 16-22, AU/SN



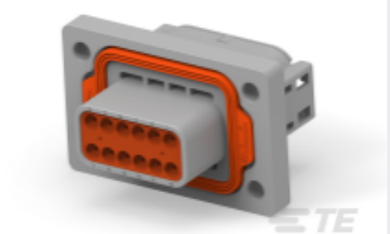
TE Part # 1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI



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 # 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

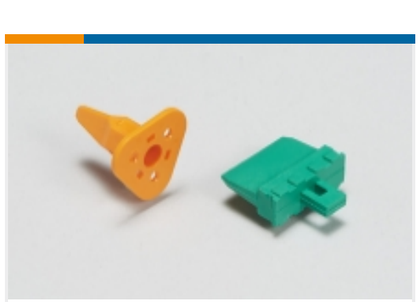


TE Part # 1062-20-0344
SOC, SF, SIZE 20, 16-22, SLEVLESS, AU /SN

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(705)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



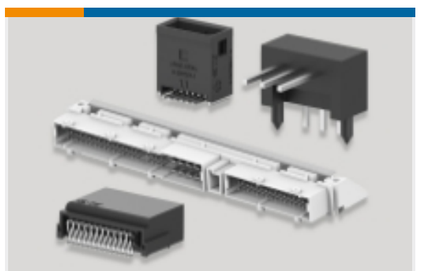
Connector Strain Relief(28)



Insertion & Extraction Tools(3)

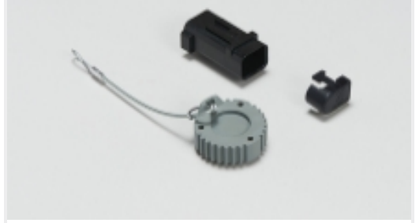


Other Automotive Connector Accessories(28)

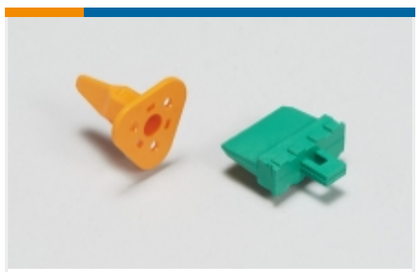


PCB Headers & Receptacles(106)

Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (7)



Automotive Connector Locks & Position Assurance(25)



Automotive Housings(104)



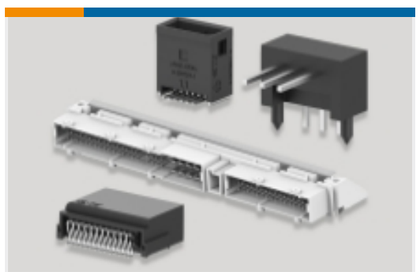
Connector Backshells(7)



Connector Strain Relief(28)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(38)

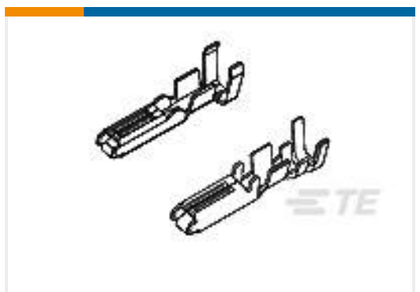
Customers Also Bought



TE Part #DTM06-12SC-E007
DEUTSCH DTM Housings



TE Part #2-2112162-1
21POS,TAB2.8X0.8,TABHSG,CODE B, ASSY,SLD



TE Part #173631-7
070 MLC REC CONT 20-16 GOLD



TE Part #1-1718485-5
CARRIER FOR RECEPT. INSERTS 36 POS



TE Part #2-1703773-1
6POS,TAB 1.6X0.6,PIN HSG,ASSY



TE Part #DTP2P-BT-BK
BOOT, 2P, REC, ST, BLK

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

650075-000 TE50BR39J U5254-000005-030PA 1743455-2 1969656-1 2377783-2 2380312-2 917696-1 936348-1 SBCHE154R7K SMW73R0JT 175977-2 CPF0402B37K4E1 2310537-1 RH73H2A40MKTN 1-794222-0 1393431-1 141991-2 2005330-1 3631B101LL CRGCQ2010J3K3 ROX05SJ18R 1-962915-1 1903112-2 2-292161-3 3-1393225-0 3430B2F51RTDF MPT100C18RF SBCHE64R7K 2834055-1