

DTM06-08SB ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM06-08SB

12 V / 24 V / 48 V, 8 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 3.81 mm [.15 in] Centerline, Sealable, Black, Hybrid

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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: **8**

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
Number of Positions	8
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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Body Features

Cable Exit Angle	180 °
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Primary Product Color	Black
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Connector & Keying Code	B
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Contact Features

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

Strain Relief	Without
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Terminal Position Assurance	Yes
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Row-to-Row Spacing	7.11 mm[.28 in]
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Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
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Product Width	15.2 mm[.598 in]
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Product Length	31.6 mm[1.24 in]
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Connector Height	30.1 mm[1.18 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operating Temperature (Max)	125 °C[257 °F]
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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>](#)

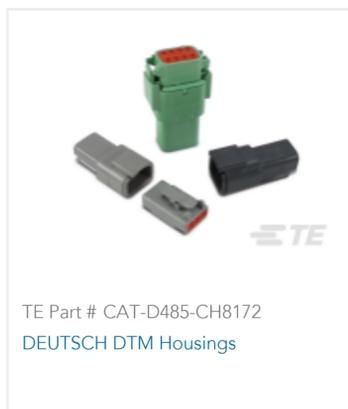
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 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

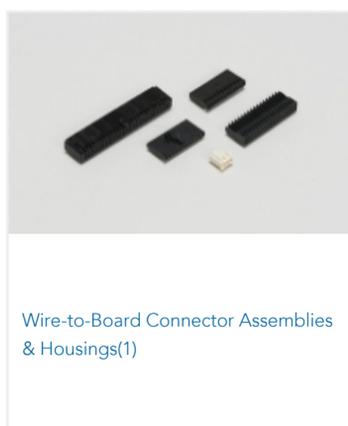
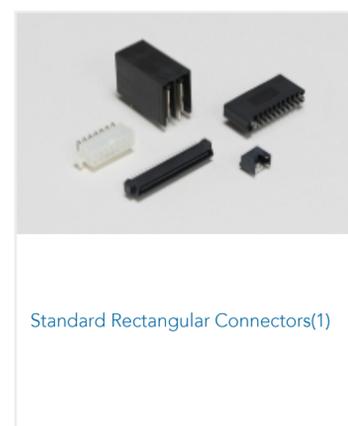
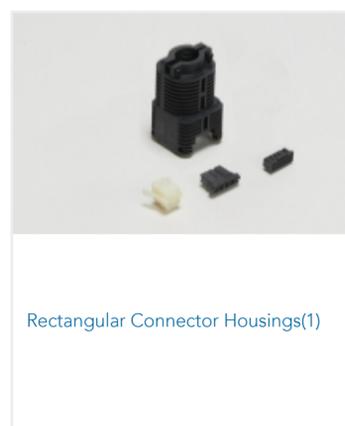
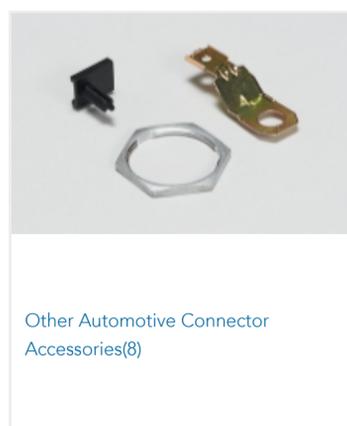
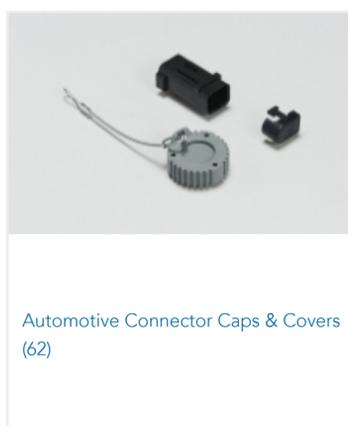
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | DEUTSCH DT



Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers
(62)



Automotive Housings(124)



Other Automotive Connector
Accessories(8)

Customers Also Bought



TE Part #CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part #1028-008-0405
BKSHL, 4P, BLK, PLG, ST, NW 8.5



TE Part #DT04-12PC
REC, 12P, GRN, N, C



TE Part #TAD2483A201-005
M12D4-MS-MR-TPE USH-5.0M



TE Part #T4140L12041-000
M12,REAR MOUNT,MALE,L,3P+PE,
SOLDER PCB



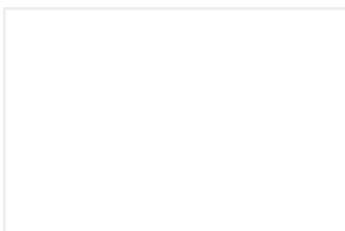
TE Part #HDP24-24-21PN-L017
REC, 21P, BLK, N, RNG, 12/16, P



TE Part #211103-1
CPC RECPT ASSEMBLY 17-14



TE Part #3-1630027-0
HSC300 3R2 5%



TE Part #T4171110504-002
M12,REAR MOUNTING,FEMALE,D,4P,
0.5M WIRE

Documents

Product Drawings

PLG, 8P, BLK, N, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM06-08SB_99_c-dtm06-08sb-99.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_DTM06-08SB_99_c-dtm06-08sb-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM06-08SB_99_c-dtm06-08sb-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