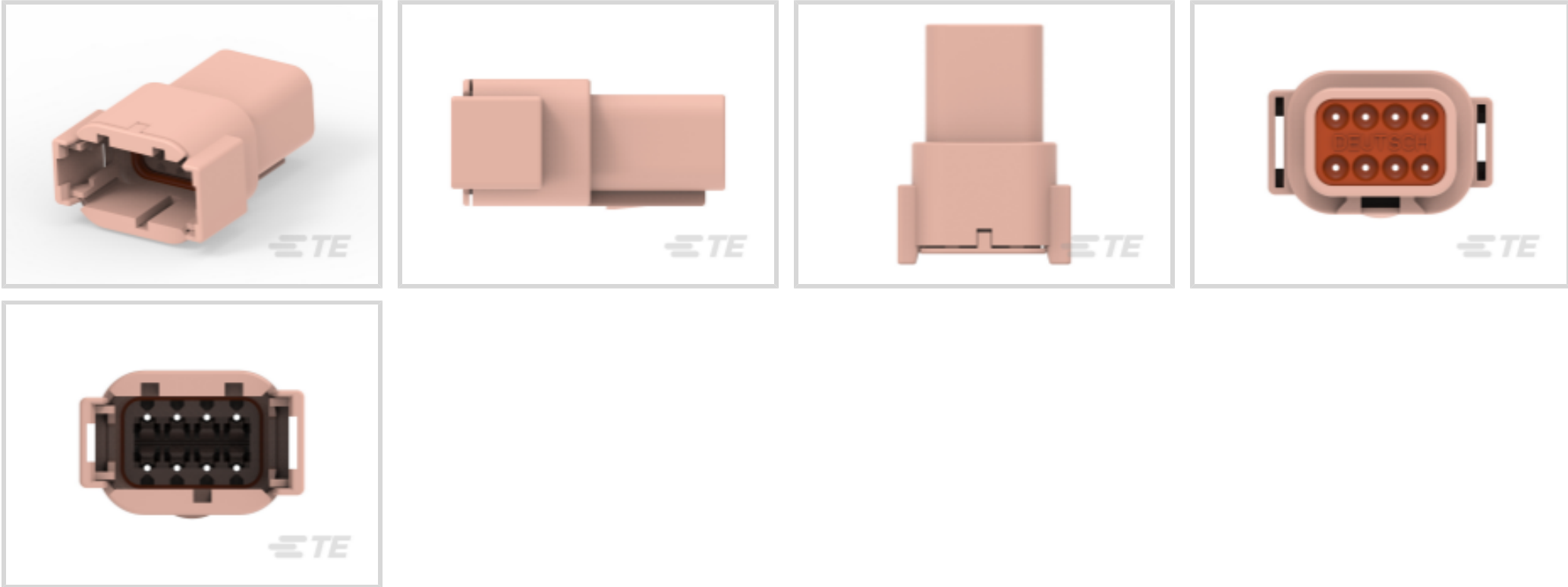




Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTM Housings



Connector System: **Wire-to-Wire**

Number of Positions: **8**

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

Centerline (Pitch): **4.19 mm [.165 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 Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Blank Cavity Position	0
Number of Positions	8
Number of Rows	2

Electrical Characteristics

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

Cable Exit Angle	180°
Primary Product Color	Brown
Connector & Keying Code	D

Contact Features

Contact Size	Size 20
Contact Type	Pin
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	31.62 mm[1.245 in]
Product Width	20.22 mm[.796 in]
Product Length	43.69 mm[1.72 in]
Row-to-Row Spacing	7.11 mm[.28 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Wire Size	16 – 22 AWG

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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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	500
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: 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

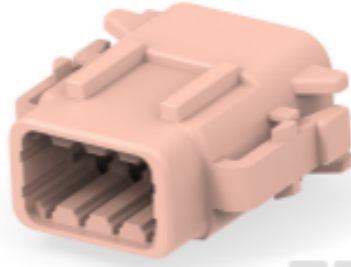
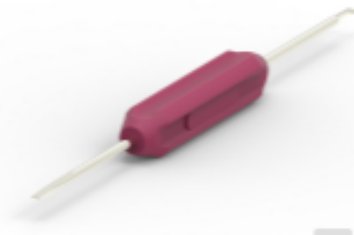
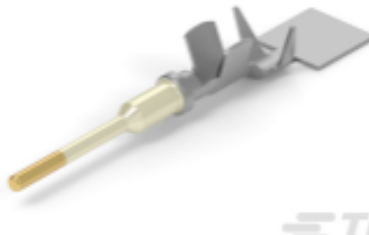
Product Compliance Disclaimer

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-W416 DEUTSCH DTM Wedgelocks	 TE Part # CAT-D487-M8649 DEUTSCH DT Mounting Clips	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts
 TE Part # 1924487-2 MOUNTING CLIP, AMPSEAL 16	 TE Part # CAT-D485-B128 Backshells, DEUTSCH DTM	 TE Part # DTM06-08SD PLG, 8P, BRN, N, D	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE
 TE Part # 1060-20-0144 PIN, SF, SIZE 20, 16-22, AU/SN	 TE Part # DTM8P-BT-BK BOOT, 8P, REC, ST, BLK	 TE Part # 1060-20-0622 PIN, SF, SIZE 20, 14-16, NI/NI	 TE Part # 1060-20-0222 PIN, SF, SIZE 20, 16-22, NI/NI
 TE Part # 1060-20-0122 PIN, SF, SIZE 20, 16-22, NI/NI	 TE Part # 1060-20-0244 PIN, SF, SIZE 20, 16-22, AU/SN	 TE Part # 1060-20-0177 PIN, SF, SIZE 20, 16-22, SN/SN	 TE Part # 1060-20-0277 PIN, SF, SIZE 20, 16-22, SN/SN



TE Part # DTM8P-BT
BOOT, 8P, REC, ST, GRY

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

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)

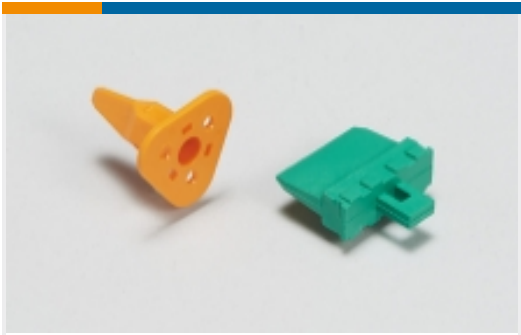
Other Automotive Connector
Accessories(28)

PCB Headers & Receptacles(106)

Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (7)



Automotive Connector Locks & Position Assurance(25)



Automotive Housings(104)



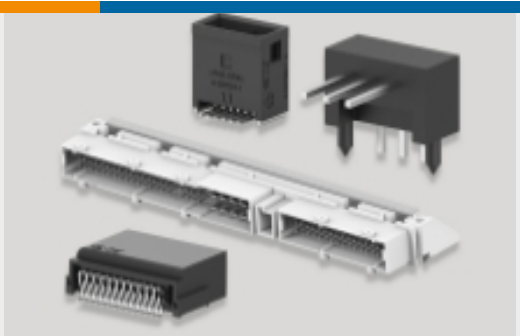
Connector Backshells(7)



Connector Strain Relief(28)

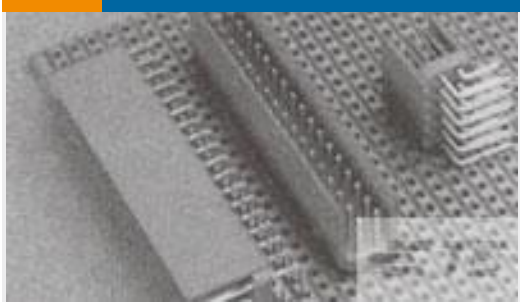


Insertion & Extraction Tools(2)

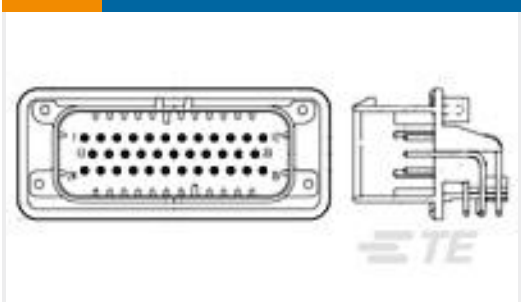


PCB Headers & Receptacles(38)

Customers Also Bought



TE Part #281739-5
HEADER HE14 STRAIGHT 2X5 P



TE Part #1-776180-1
35POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 1



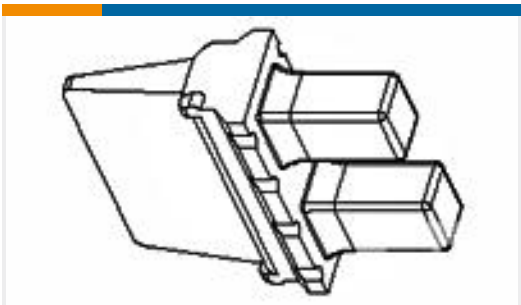
TE Part #281839-5
HOUSING HE13 HE14 COSI 2X5 P



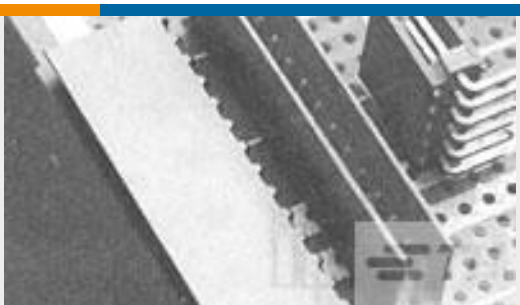
TE Part #DT06-08SB-CE05
PLG, 8P, BLK, E, SEAL RET, CAP, B



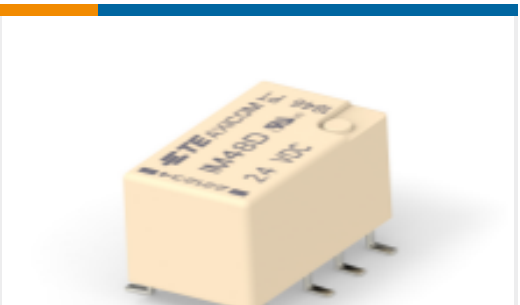
TE Part #DTF13-6P
HDR, 6P, BLK, RA, SN/NI/CU



TE Part #WM-8P
WEDGE LOCK, 8P, REC, ORG, DTM



TE Part #281698-6
HEADER HE14 RA 6 P



TE Part #1462039-9
IM48DGR=IM RELAY 100mW 2.4V BIS



TE Part #02560418-000
HERMETICALLY SEALED LVDT

Documents



Product Drawings

REC, 8P, BRN, N, D

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM04-08PD_99_c-dtm04-08pd-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTM04-08PD_99_c-dtm04-08pd-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM04-08PD_99_c-dtm04-08pd-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