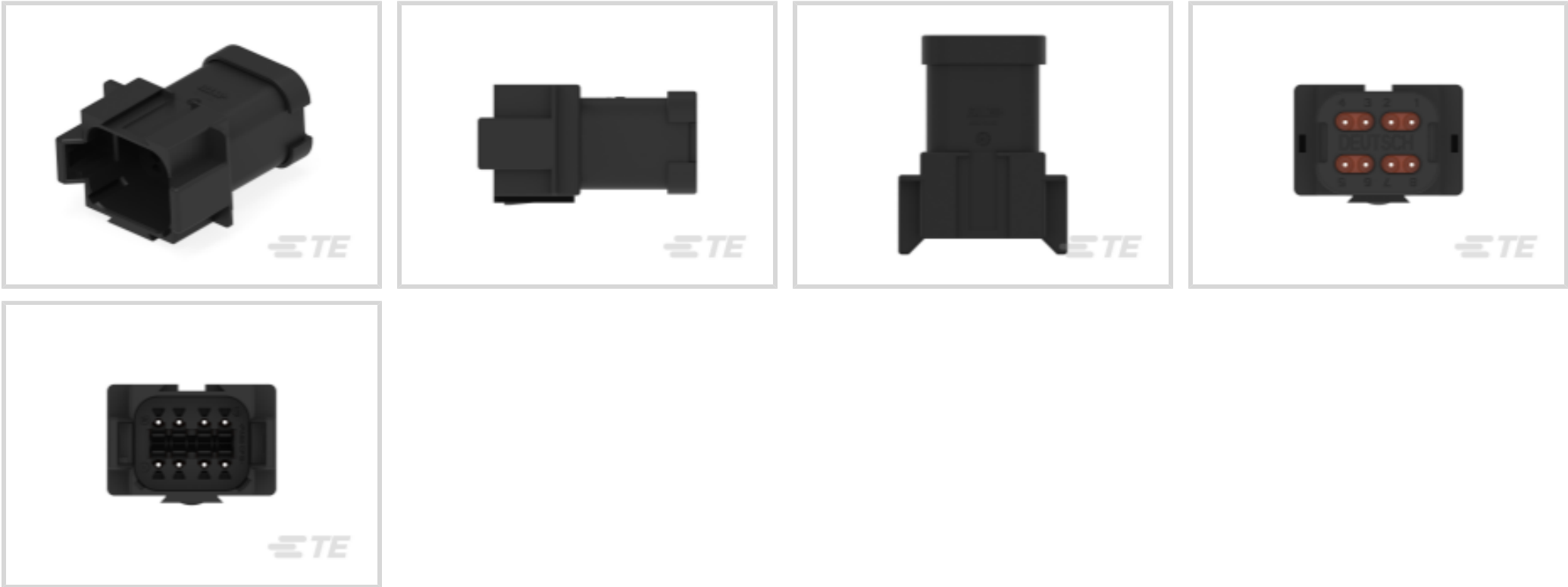




Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Receptacle Connectors



Connector System: **Wire-to-Wire**
Number of Positions: **8**
Connector & Housing Type: **Housing for Male Terminals**
Centerline (Pitch): **9.12 mm [.359 in]**
Sealable: **Yes**

[All DEUTSCH DT Receptacle Connectors \(247\)](#)

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
Connector Modification	End Cap
Number of Positions	8
Number of Rows	2



Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 50 V

Body Features

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

Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 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)	9.12 mm[.359 in]

Dimensions

Connector Height	23.88 mm[.94 in]
Product Width	36.45 mm[1.435 in]
Product Length	46.94 mm[1.848 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Compatible Insulation Diameter Range	2.23 - 3.68 mm[.088 - .145 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	12mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	300
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

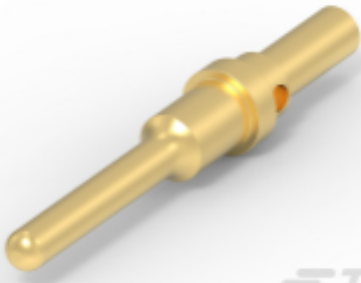
Product Compliance Disclaimer

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-D48-ST273 DEUTSCH Solid Contacts	 TE Part # W8P WEDGE LOCK, 8P, REC, GRN, DT	 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts
 TE Part # DT06-12SB-E003 PLG, 12P, BLK, N, CAP, B	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE	 TE Part # DT06-08SB-P012 PLG, 8P, BLK, N, SEAL RET, B	 TE Part # DT06-08SB-C017 PLG, 8P, BLK, BLOCKED, B
 TE Part # CAT-D487-M8649 DEUTSCH DT Mounting Clips	 TE Part # DT06-08SB-EP06 PLG, 8P, BLK, N, SEAL RET, CAP, B	 TE Part # DT06-08SB PLG, 8P, BLK, N, B	 TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20-24AWG, AU
 TE Part # CAT-D487-CH8172 DEUTSCH DT Series Housings & Connectors	 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(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)

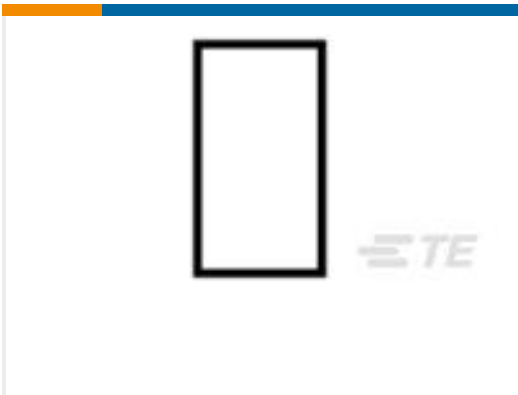


PCB Headers & Receptacles(105)

Customers Also Bought



TE Part # DT04-2P-E005
DEUTSCH DT Receptacle Connectors



TE Part # 327637
ADAPTER 12-10/16-14



TE Part # DRC22-40PA
40P RECP ASM



TE Part # DTM06-4S-E004
PLG, 4P, BLK, N



TE Part # DT06-08SA-EP06
PLG, 8P, GRY, N, SEAL RET, CAP, A



TE Part # 174429-1
PL 250 HOUSING RECEPTACLE



TE Part # 810033-000
2019D0309-0

Documents



Product Drawings

REC, 8P, BLK, N, CAP, B

English

REC, 8P, BLK, N, CAP, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT04-08PB-E003_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT04-08PB-E003_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT04-08PB-E003_A.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

Engineering Report

English

Agency Approvals

UL Report

English