



Connectors > Automotive Connectors > Connector Housings > DEUTSCH DT HOUSINGS



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

Mating Pin Diameter: **1.59 mm [.063 in]**

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

Number of Positions: **8**

Centerline (Pitch): **9.12 mm [.359 in]**

[All DEUTSCH DT HOUSINGS \(424\)](#)

Features

Product Type Features

Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing
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 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Gray



Connector Code	A
Contact Features	
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A
Mechanical Attachment	
Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized
Housing Features	
Centerline (Pitch)	9.12 mm[.359 in]
Dimensions	
Product Width	19.71 mm[.776 in]
Product Length	30.91 mm[1.217 in]
Product Height	37.21 mm[1.465 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Accepts Wire 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
Industry Standards	
Agency/Standard	SAE J2030
Degree of Protection	IP68, IP6K9K
UL Flammability Rating	12mm Flame Test per Standard UL-94
Packaging Features	
Packaging Quantity	550
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: JUN 2020 (209) Candidate List Declared Against: JUN 2020 (209) Does not contain REACH SVHC
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-D487-CH8172
DEUTSCH DT HOUSINGS



TE Part # CAT-D487-B128
DEUTSCH DT BACKSHELLS



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-D487-W416
DEUTSCH DT WEDGELOCKS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED
CONTACTS



TE Part # CAT-D487-H342
DEUTSCH DT HEADERS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-AM7801-P729
AMPSEAL 16 SEALING PLUGS



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-D487-P729
DEUTSCH DT DUST CAPS



TE Part # DT8S-BT-BK
BOOT, 8P, PLG, ST, BLK

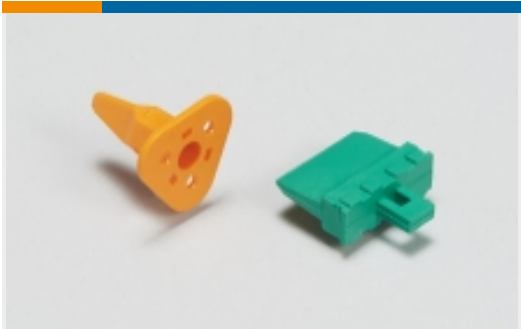


TE Part # DT8S-BT
BOOT, 8P, PLG, ST, GRY

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(71)



Automotive Connector Locks &
Position Assurance(62)



Automotive Headers(83)



Automotive Housings(563)



Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(7)



Other Automotive Connector
Accessories(13)

Customers Also Bought



TE Part #W8S
DEUTSCH DT WEDGELOCKS



TE Part #0413-204-2005
DEUTSCH SEALING PLUGS



TE Part #DT06-12SA
DEUTSCH DT HOUSINGS



TE Part #0462-203-12141
DEUTSCH SOLID CONTACTS



Documents

Product Drawings

PLG, 8P, GRY, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-08SA_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-08SA_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-08SA_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

Product Environmental Compliance

MD_DT06-08SA_02022018013_dmtec

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