



Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > DEUTSCH DT HOUSINGS



Connector Style: **Housing for female terminals**

Mating Pin Diameter: **1.59 mm [.0625 in]**

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

Number of Positions: **8**

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

[All DEUTSCH DT HOUSINGS \(421\)](#)

Features

Product Type Features

Row-to-Row Spacing	4.45 mm[.175 in]
Connector Style	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
Strain Relief	Add By Accessory

Configuration Features

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

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
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Body Material	PA GF
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Color	Gray
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Connector Code	A
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Contact Features

Mating Pin Diameter	1.59 mm[.0625 in]
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Contact Current Rating (Max)	13 A
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Mechanical Attachment

Terminal Position Assurance	Yes
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Mounting Feature	Without
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Polarized	Yes
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Housing Features

Centerline (Pitch)	9.12 mm[.359 in]
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Dimensions

Height	37.21 mm[1.465 in]
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Length	30.91 mm[1.217 in]
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Width	19.71 mm[.776 in]
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Usage Conditions

Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Degree of Protection	IP68
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Agency/Standard	SAE J2030
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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Packaging Features

Packaging Method	Box
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Packaging Quantity	550
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Other

Serviceable	Yes
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Connector Position Assurance Capable	No
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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 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

TE Model / Part # CAT-D48-T618
DEUTSCH REMOVAL TOOLS

TE Model / Part # CAT-D487-CH8172
DEUTSCH DT HOUSINGS

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

TE Model / Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Model / Part # CAT-D487-H342
DEUTSCH DT HEADERS



TE Model / Part # CAT-D487-B128
DEUTSCH DT BACKSHELLS



TE Model / Part # CAT-D487-W416
DEUTSCH DT WEDGELOCKS



TE Model / Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS




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



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




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




TE Model / Part # 0462-222-1631
SOC, SOLID, SIZE 16, 16-20AWG, EXT, AU




TE Model / Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18AWG, SN




TE Model / Part # 1062-14-1022
SOC, SF, SIZE 16, 14-18AWG, NI




TE Model / Part # 1062-14-1077
SOC, SF, SIZE 16, 14-18AWG, SN




TE Model / Part # 1062-14-1088
SOC, SF, SIZE 16, 14-18AWG, PD/NI /AU




TE Model / Part # 1062-16-0744
SOC, SF, SIZE 16, 14-18AWG, AU



TE Model / Part # 1062-16-0777
SOC, SF, SIZE 16, 14-18AWG, NI



TE Model / Part # 1062-16-0922
SOC, SF, SIZE 16, 14-18AWG, NI

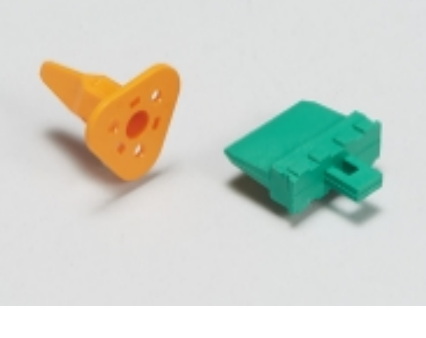


TE Model / Part # 1062-16-0977
SOC, SF, SIZE 16, 14-18AWG, SN

Also in the Series | **DEUTSCH DT**




Automotive Connector Caps & Covers (70)



Automotive Connector Locks & Position Assurance(62)



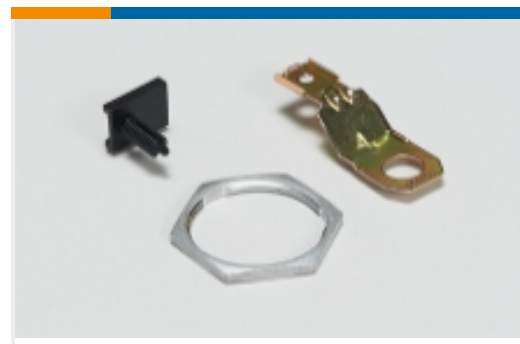
Automotive Seals & Cavity Plugs(4)



Automotive, Truck, Bus, & Off-Road Headers(82)



Automotive, Truck, Bus, & Off-Road Housings(560)



Other Automotive Connector Accessories(13)

Documents

Product Drawings

[PLG, 8P, GRY, N, A](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_DT06-08SA_99.2d_dxf.zip](#)

English

3D PDF

3D

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

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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](#)

English

[MD_DT06-08SA_02022018013_dmtec](#)

English