



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



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

Number of Positions: **9**

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

Sealable: **Yes**

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

[All DEUTSCH HD10 Housings \(53\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	9

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Green

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	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarization Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF
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Dimensions

Connector Height	36.5 mm[1.437 in]
Product Width	36.5 mm[1.437 in]
Product Length	42.18 mm[1.66 in]
Compatible Insulation Diameter Range	1.35 - 3.05 mm[.053 - .12 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
UL Flammability Rating	UL 94V-1

Packaging Features



Packaging Quantity	250
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: JUNE 2023 (235) 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-H3910-RC1748 Receptacle Dust Caps - DEUTSCH HD10	 TE Part # HDC14-3 DUST CAP	 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # CAT-H3910-CH8172 DEUTSCH HD10 Housings
 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts	 TE Part # HD10-9BT BOOT, 9P, PLG/REC, ST, GRY	 TE Part # HD10-9-GKT GASKET, 9SZ, BLK, HD10
 TE Part # HD10-9BT-BK BOOT, 9P, PLG/REC, ST, BLK	 TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20- 24AWG, AU	 TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU	 TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts
 TE Part # HD10-9BT-BK-430 BOOT, 9P, PLG/REC, ST, BLK			

Also in the Series

DEUTSCH HD

 Automotive Connector Caps & Covers (32)	 Automotive Housings(768)	 Connector Backshells(29)	 Connector Seals & Cavity Plugs(10)
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Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series

DEUTSCH HD10



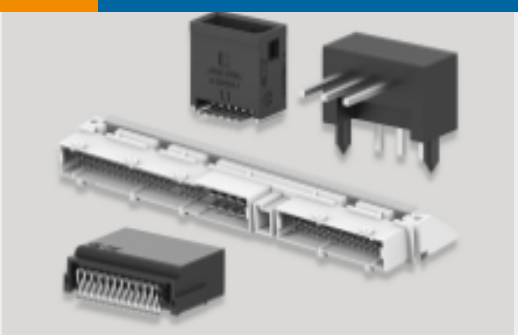
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part # DT04-12PC-L012
REC, 12P, GRN, N, FLANGE, C



TE Part # 1-968968-2
2,5MM BU-GEH ASSY3P



TE Part # HDP24-18-21PN-L017
REC, 21P, BLK, N, RNG, 20, P



TE Part # DT06-12SA-CE12
PLG, 12P, BLK, E,SEAL RET,ENH KEY, XCAP,A



TE Part # DT06-08SA-C017
PLG, 8P, GRY, BLOCKED, A



TE Part # DTP06-4S-CE02
PLG, 4P, BLK, E



TE Part # DT06-12SC-C015
PLG, 12P, GRN, E, C



TE Part # 2342926-1
4POS,MCON 1.2,TAB HSG ASSY,SLD



TE Part # 2236369-1
61103 DVI LOCKING SEALING PLUG #16



TE Part # 0528-006-7005
BKSHL, 70P, BLK, PLG, ST, SIDEAB, NW 26



Documents

Product Drawings

RECP ASM

English

CAD Files

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE-P080_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE-P080_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE-P080_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

Agency Approvals

UL Report

English