# HD10-9-1939PE ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-9-1939PE

Housing for Male Terminals, Wire-to-Wire, 9 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 - 257 °F [-55 - 125 °C], Hybrid

View on TE.com >

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 |
| Number of Positions | 9 |

### Electrical Characteristics

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

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Black |

## 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 | Polarizing Rib |
| Mating Alignment | With |
| Connector Mounting Type | Panel Mount |

## Housing Features

| | |
|---|---|
| Housing Material | PA GF |

## 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 |

## 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)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br>**Article Safe Usage Statements:**<br>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-H3910-CH8172
DEUTSCH HD10 Housings



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # HD10-9-GKT
GASKET, 9SZ, BLK, HD10



TE Part # HD10-9BT
BOOT, 9P, PLG/REC, ST, GRY



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)



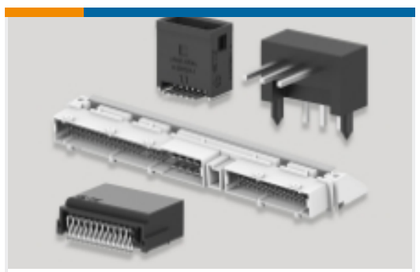
Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

## Also in the Series | DEUTSCH HD10



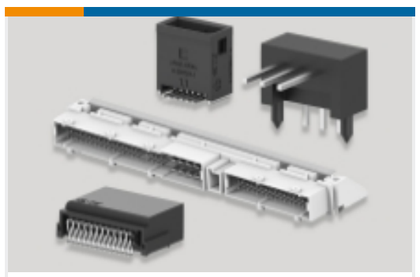
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

## Customers Also Bought



TE Part # HD14-9-1939PE
INL REC ASM



TE Part # HDC16-9-E004
DUST CAP ASM



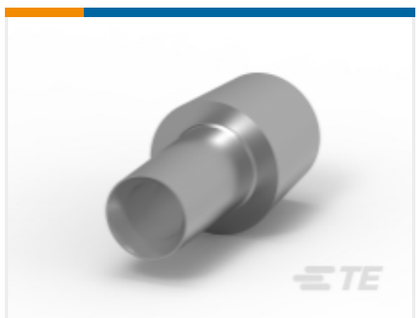
TE Part # HC5901
BATT.POST CLAMP -VE MK.3



TE Part # DRC16-70SDE
PLG, 70P, BLK, E, D



TE Part # K1160994
Plunger Switch 44-01-037-900



TE Part # HC5728
LEAD CONNECTOR 16MM



TE Part # DT06-3S-EF02
PLG, 3P, GRY, N, LATCH PROTECT CAP

TE Part # DT04-12PA-930C
REC, 12P, BLK, N, SEALED FLANGE, A

TE Part # 2310359-1
DTP04-4P-P018

TE Part # 257435-1
ARM

# Documents

## Product Drawings

SQ FG REC ASM

English

## CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE_99_c-hd10-9-1939pe-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE_99_c-hd10-9-1939pe-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD10-9-1939PE_99_c-hd10-9-1939pe-99.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

## Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

## Product Specifications

Application Specification

English

## Agency Approvals

UL Report

English