

# HD10-9-1939PE ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-9-1939PE

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

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD10 HOUSINGS



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

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

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

Number of Positions: **9**

Sealable: **Yes**

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

## Features

### Product Type Features

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

### Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
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°
Body Material	PA GF



Primary Product Color	Black
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### Contact Features

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

### Mechanical Attachment

Mounting Feature	With
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Not Keyed
Mating Alignment	Without
Connector Mounting Type	Panel Mount

### Dimensions

Product Width	36.5 mm[1.437 in]
Product Length	42.18 mm[1.66 in]
Product Height	36.5 mm[1.437 in]
Accepts Wire 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	20mm Flame Test per Standard UL-94

### 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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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-D48-SP729  
DEUTSCH SEALING PLUGS



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



TE Part # 0411-336-1605  
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU


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 # HD10-9BT-BK-430  
BOOT, 9P, PLG/REC, ST, BLK


### Also in the Series | DEUTSCH HD




Automotive Connector Caps & Covers (59)




Automotive Housings(744)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)

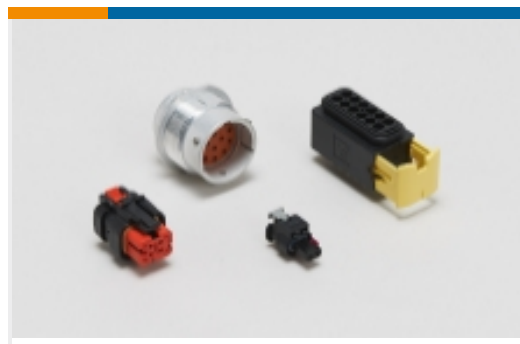


Other Automotive Connector Accessories(11)

### Also in the Series | DEUTSCH HD10



Automotive Connector Caps & Covers  
(32)



Automotive Housings(53)

## Customers Also Bought



TE Part #HDP24-24-31SE  
REC, 31P, BLK, E, 16, S



TE Part #HD36-24-47SE-L005  
PLG, 47P, AL, E, THDADPT,NODRAIN,  
16/20,S



TE Part #K1150205  
Toggle Switch 07-1-2-17 922



TE Part #K1148441  
Battery Disconnecter 35-524-170-R-A2



TE Part #DRC18-40SAE-P013  
DEUTSCH DRC HOUSINGS



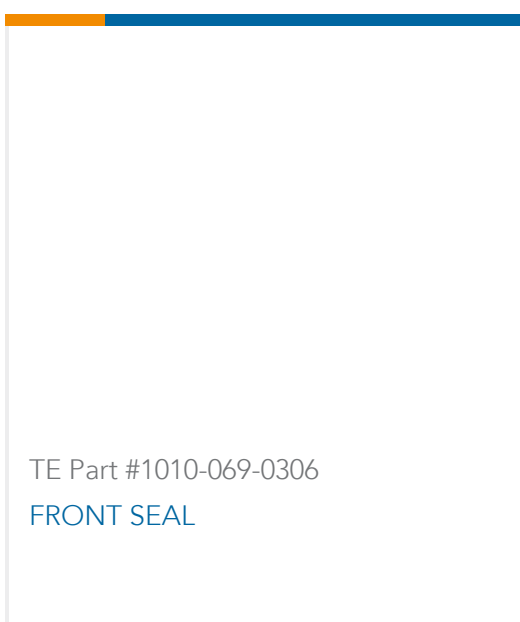
TE Part #HC5955  
BATT.LEAD. 90DEG.70MM+JC



TE Part #K1145129  
Switch guard 07-0-0-01 905



TE Part #251542-1  
MOLDED BELT



TE Part #1010-069-0306  
FRONT SEAL

## 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 Conditions](#) of use.

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**Datasheets & Catalog Pages**

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Product Environmental Compliance**

[Product Compliance](#)

English

[Product Compliance](#)

English

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**Agency Approvals**

[UL Report](#)

English