

HD10-9-1939PE-B022  ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

TE Internal #: HD10-9-1939PE-B022

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

[View on TE.com >](#)[Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings](#)Number of Positions: **9**Connector & Housing Type: **Housing for Male Terminals**Mating Pin Diameter: **1.59 mm [.063 in]**Connector System: **Wire-to-Wire**Sealable: **Yes**[All DEUTSCH HD10 Housings \(53\)](#)

Features

Housing Features

Housing Material	PA GF
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Industry Standards

IP Rating	IP6K9K, IP68
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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Dimensions

Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
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Product Width	44.45 mm[1.75 in]
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Product Length	42.18 mm[1.66 in]
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Connector Height	41.28 mm[1.625 in]
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Packaging Features

Packaging Quantity	250
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Packaging Method	Box
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Mechanical Attachment

Strain Relief	Add By Accessory
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Terminal Position Assurance	No
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Mating Alignment Type	Polarizing Slot
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Mating Alignment

With

Connector Mounting Type

Panel Mount

Other

Serviceable

Yes

Connector Position Assurance Capable

No

EU RoHS Compliance

Compliant

EU ELV Compliance

Compliant

Electrical Characteristics

Operating Voltage

250 VDC

Nominal Voltage Architecture

250 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

Product Type Features

Mixed & Hybrid Connector

No

Connector Shape

Circular

Connector & Housing Type

Housing for Male Terminals

Connector System

Wire-to-Wire

Sealable

Yes

Primary Locking Feature

Integrated in Housing

Connector & Contact Terminates To

Wire & Cable

Configuration Features

Blank Cavity Position

0

Connector Seal Code

E Seal

Number of Positions

9

Usage Conditions

Operating Temperature (Max)

125 °C[257 °F]

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

Operation/Application

Circuit Application

Power

Product Compliance

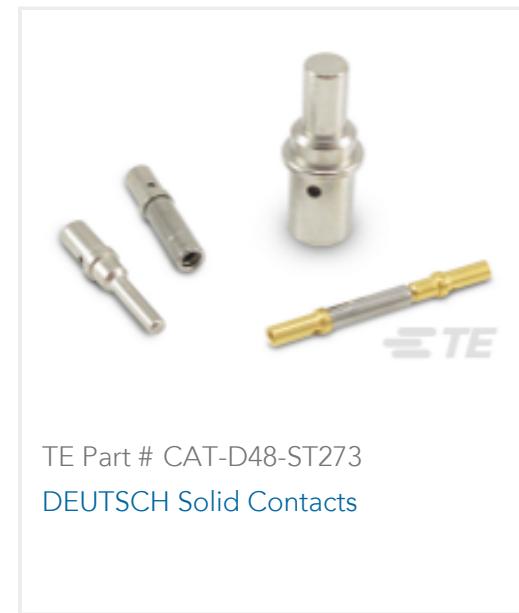
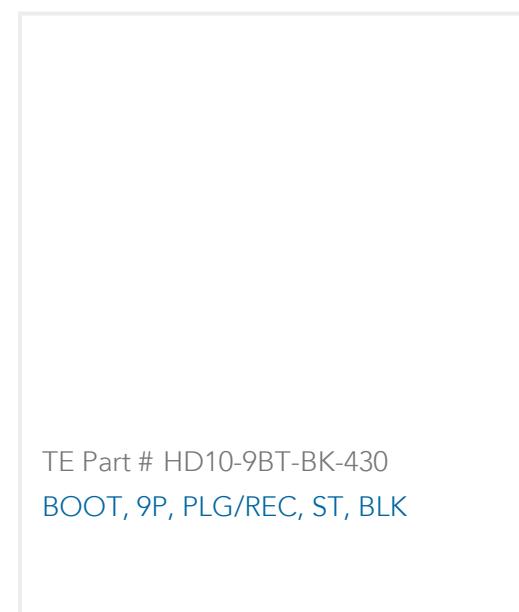
For compliance documentation, visit the product page on TE.com

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	<p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2024 (241)</p> <p>SVHC > Threshold:</p> <ul style="list-style-type: none"> Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <p><small>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.</small></p>
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

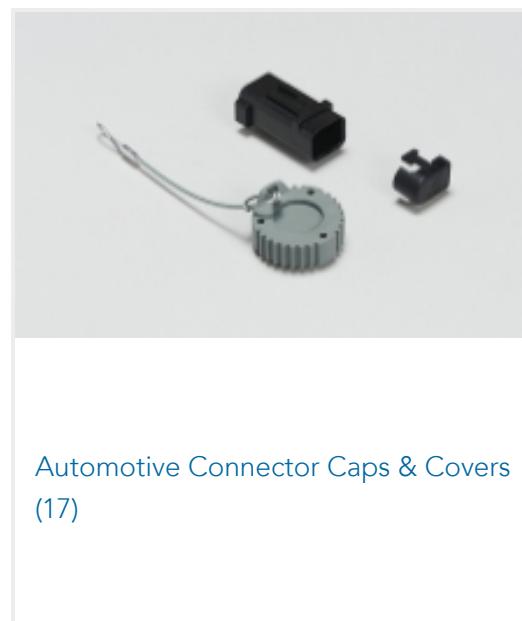
Product Compliance Disclaimer

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>

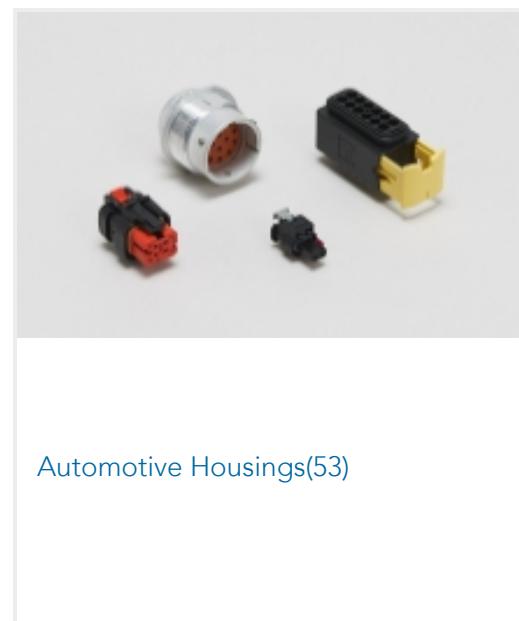
Compatible Parts

TE Part # HD10-9BT-BK
BOOT, 9P, PLG/REC, ST, BLKTE Part # CAT-H3910-CH8172
DEUTSCH HD10 HousingsTE Part # CAT-D48-ST273
DEUTSCH Solid ContactsTE Part # CAT-H3910-RC1748
Receptacle Dust Caps — DEUTSCH HD10TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp ContactsTE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed ContactsTE Part # HD10-9BT-BK-430
BOOT, 9P, PLG/REC, ST, BLKTE Part # 0411-336-1605
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLUTE Part # HD10-9BT
BOOT, 9P, PLG/REC, ST, GRYTE Part # CAT-D48-SP729
DEUTSCH Sealing PlugsTE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU

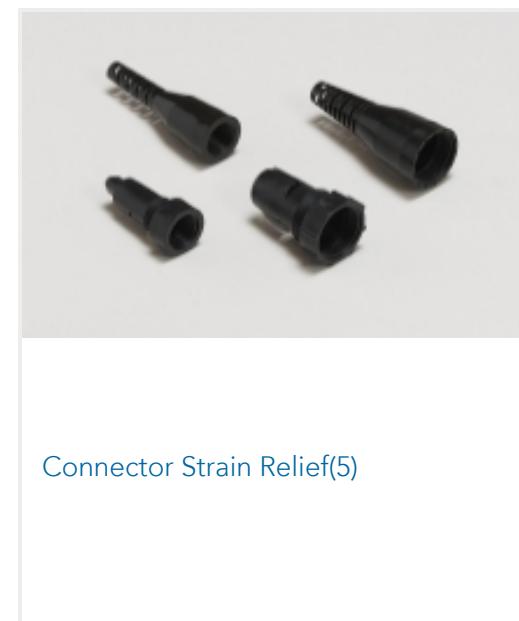
Also in the Series | DEUTSCH HD



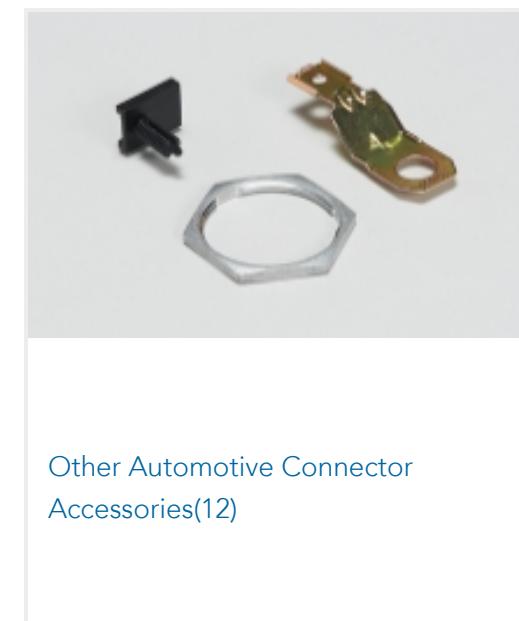
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Strain Relief(5)

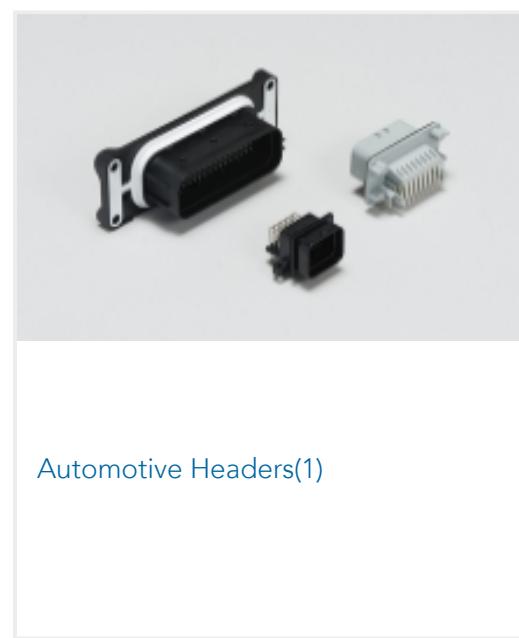


Other Automotive Connector Accessories(12)

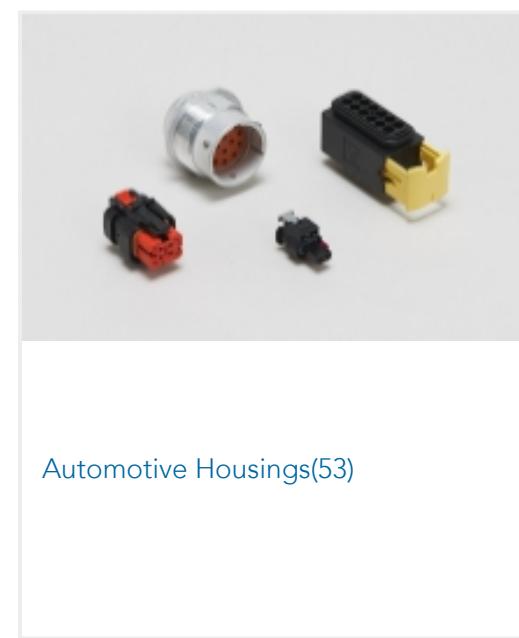
Also in the Series | DEUTSCH HD10



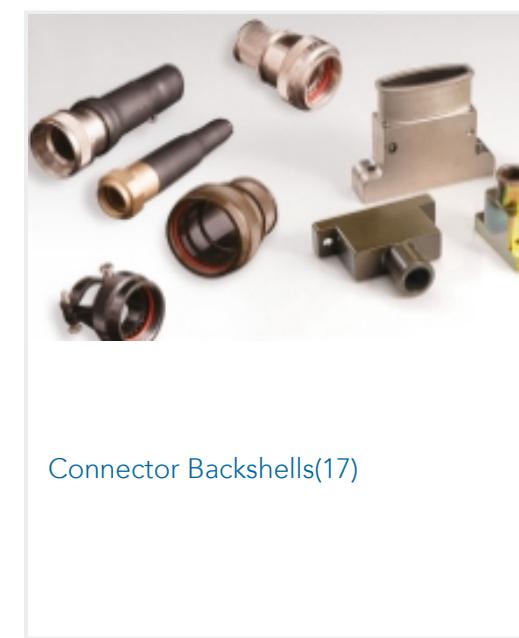
Automotive Connector Caps & Covers (17)



Automotive Headers(1)



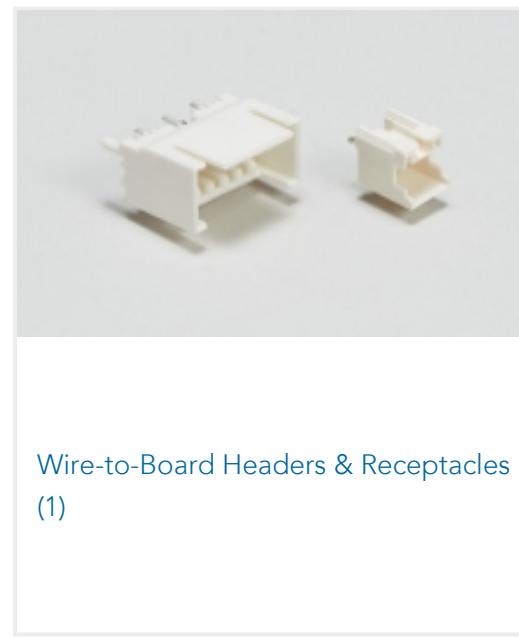
Automotive Housings(53)



Connector Backshells(17)

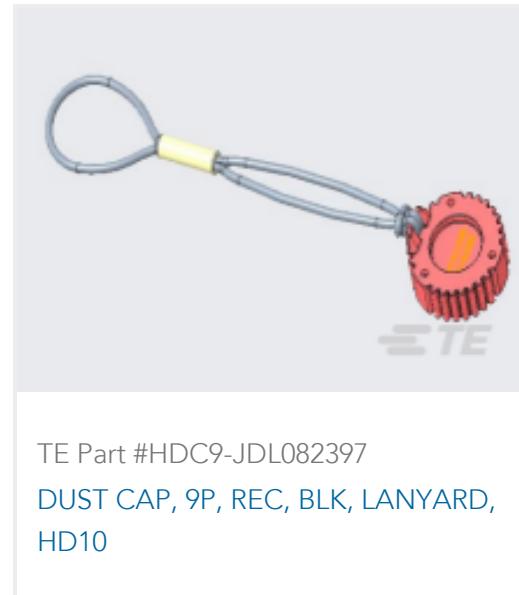


PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought

TE Part #HDC14-3
DUST CAPTE Part #HDC9-JDL082397
DUST CAP, 9P, REC, BLK, LANYARD,
HD10TE Part #HD10-9BT-BK
BOOT, 9P, PLG/REC, ST, BLKTE Part #1-66358-8
III+ SKT,18-14,TIN ,STRIPTE Part #035377P006
ES1000-NO.3-B8-X-50MMTE Part #2414-002-1886
LOCKWASHER, SIZE 18, HDPTE Part #3-1393292-8
V23074A1002A403-EV-CBOXTE Part #524431-E
MCBP 5 F 2 035 137 * 197 1,27 TRAY
VR2 JTE Part #CAR3PC68
CAR PLUG DIN9680 3way, IP68

Documents

Product Drawings**REC, 9P, BLK, E, PANEL, J1939, TYPE 1**

English

CAD Files**3D PDF**

3D

Customer View Model

[ENG_CVM_CVM_HD10-9-1939PE-B022_99_c-hd10-9-1939pe-b022-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD10-9-1939PE-B022_99_c-hd10-9-1939pe-b022-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD10-9-1939PE-B022_99_c-hd10-9-1939pe-b022-99.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages****DEUTSCH HD10 CONNECTOR SERIES**

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications[Application Specification](#)

English

Agency Approvals[UL Report](#)

English