

HD10-9-1939P-B022

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

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

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

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Connectors > Automotive Connectors > Automotive 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 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
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	Polarization Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF
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Dimensions

Connector Height	41.28 mm[1.625 in]
Product Width	44.45 mm[1.75 in]
Product Length	42.18 mm[1.66 in]
Accepts Wire Insulation Diameter Range	2.54 – 3.81 mm[.1 – .15 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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 # HDC14-3
DUST CAP



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-H3910-RC1748
DEUTSCH HD10 RECEPTACLE DUST CAPS



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-H3910-CH8172
DEUTSCH HD10 HOUSINGS

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

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

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
(63)

Automotive Housings(742)

Automotive Seals & Cavity Plugs(10)

Insertion & Extraction Tools(11)

Other Automotive Connector
Accessories(11)

PCB Headers & Receptacles(1)

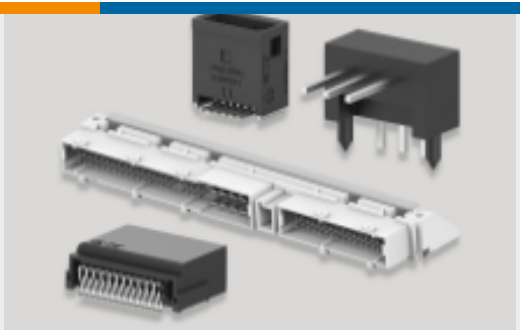
Also in the Series | DEUTSCH HD10



Automotive Connector Caps & Covers
(34)



Automotive Housings(53)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #2411-002-1805
PANEL NUT, SIZE 18, HDP



TE Part #1-1718485-5
AMP MCP Backshells



TE Part #HDP26-24-7SN-CL18
PLG, 7P, BLK, N, 4AWG, RNG, 4/16, S



TE Part #5-1803001-5
ANVIL, COMBINATION, END FEED



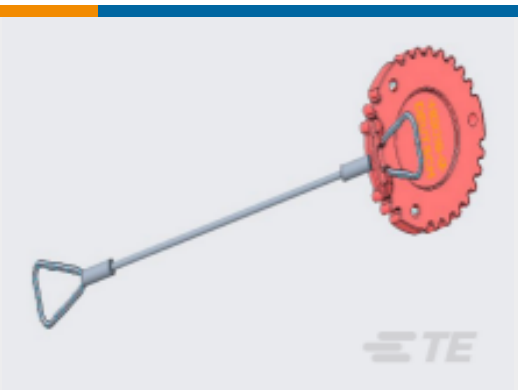
TE Part #2-34173-1
TERMINAL, PG R 12-10 3/8



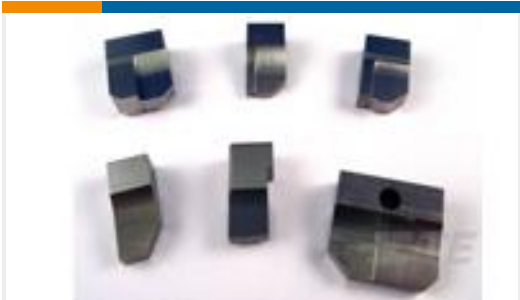
TE Part #2294562-1
UMN L TWIST-N-LOK, 5POS, CAP HOUSING



TE Part #DRCP24-86PA
REC, 86P, BLK, 12/20, A



TE Part #HDC16-9-L47N
DUST CAP, 9P, REC, GRY, LANYARD, HD10



TE Part #9-458834-6
ANVIL, COMBINATION

Documents

Product Drawings

RECP ASM

English

CAD Files

Customer View Model

ENG_CVM_CVM_HD10-9-1939P-B022_99.2d_dxf.zip

English

3D PDF



3D

Customer View Model

[ENG_CVM_CVM_HD10-9-1939P-B022_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD10-9-1939P-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

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English