HD10-9-1939P-B022 ✔ ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

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

12 V / 24 V / 48 V, 9 Position, Automotive Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Panel Mount, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



Nominal Voltage Architecture: **12 V, 24 V, 48 V**

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

Number of Positions: **9**

Sealable: **Yes**

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

All DEUTSCH HD10 Housings (52)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	9

Electrical Characteristics

Operating Voltage	250 VDC
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

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF

Dimensions

Compatible Insulation Diameter Range	2.54 – 3.81 mm[.1 – .15 in]
Product Width	44.45 mm[1.75 in]
Product Length	42.18 mm[1.66 in]
Connector Height	41.28 mm[1.625 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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-ST273
DEUTSCH Solid Contacts



TE Part # HDC14-3
DUST CAP



TE Part # CAT-H3910-CH8172
DEUTSCH HD10 Housings



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



TE Part # CAT-H3910-RC1748
Receptacle Dust Caps — DEUTSCH HD10



TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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

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



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

Also in the Series | DEUTSCH HD10



Automotive Connector Caps & Covers (22)

Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers (22)

Other Automotive Connector Accessories(17)

Customers Also Bought



TE Part #W3P-1939
WEDGE LOCK, 3P, REC, BLU, J1939, DT



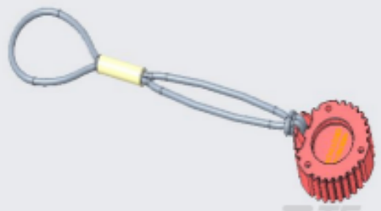
TE Part #K1166941
Foot Switch 44-03-012-1



TE Part #EK5493-000
ES2000-NO.8-A1-0-2IN



TE Part #D04950-000
ES2000-NO.1-C1-0-38MM



TE Part #HDC9-JDL082397
DUST CAP, 9P, REC, BLK, LANYARD, HD10



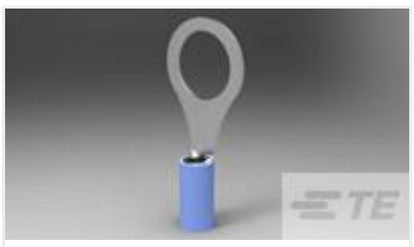
TE Part #HSA002N00420100000
723 HTEC PLUG, SPEEDTEC



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



TE Part #32561
PIDG SPDFLG 22-16COMM22-18MIL6



TE Part #2-328999-1
PIDG 16-14 R 3/8; TAPE

TE Part #HDB46-18-14SN-059
KT PL HDB30 18 SHL 14 WY BKWY CLMP

Documents

Product Drawings

REC, 9P, BLK, N, PANEL, J1939, TYPE 1

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

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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