HD10-6-12P ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-6-12P

Housing for Male Terminals, Wire-to-Wire, 6 Position, Sealable, Gray, 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: **6**

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
Connector Modification	Threaded Rear
Number of Positions	6

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Contact Features

Contact Size	Size 12
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	25 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	38.94 mm[1.533 in]
Product Width	38.94 mm[1.533 in]
Product Length	41.58 mm[1.637 in]
Compatible 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

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) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) **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.
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-B128
DEUTSCH HD10 Backshells



TE Part # HDC14-3
DUST CAP



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



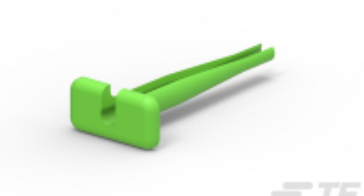
TE Part # CAT-H3910-CH8172
DEUTSCH HD10 Housings



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



TE Part # HD10-6BT
BOOT, 6P, PLG/REC, ST, GRY



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



TE Part # HD10-6-GKT
GASKET, 6SZ, BLK, HD10



TE Part # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN



TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI



TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN

TE Part # 1060-12-0244
PIN, SF, SIZE 12, 10, AU/SN

TE Part # HD10-6BT-BK
BOOT, 6P, PLG/REC, ST, BLK

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (32)



Automotive Housings(742)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



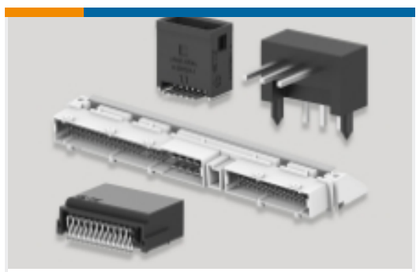
Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HD10



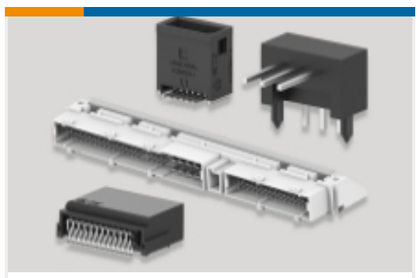
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part # HDC16-6-JDL
DUST CAP, 6P, REC, GRY, LANYARD, HD10



TE Part # HDP24-24-19PN-L015
DEUTSCH HDP20 Housings



TE Part # M902-2164
BKSHL, 6SZ, CBL SZ .570-.710, HD10



TE Part # 6-520315-0
10 POS TRIO MATE ASSY VERT



TE Part # HD36-24-9SN
PLG, 9P, AL, N, 4/8/12, S



TE Part # K1060265
Power Relay, 75A, Standard, Monostable, DC

Documents

Product Drawings

SQ FG REC ASM

English

CAD Files

Customer View Model

ENG_CVM_CVM_HD10-6-12P_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD10-6-12P_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD10-6-12P_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