HD16-6-96S ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD16-6-96S

Housing for Female Terminals, Wire-to-Wire, 6 Position, Sealable, Gray, Wire & Cable, Power, Cable Mount (Free-Hanging), 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 Female Terminals**

Sealable: **Yes**

Mating Pin Diameter: **1.6 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 Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Blank Cavity Position	0
Connector Modification	Threaded Rear
Number of Positions	6

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Polarization Rib
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF

Dimensions

Connector Height	40.6 mm[1.6 in]
Product Width	36.9 mm[1.45 in]
Product Length	36.9 mm[1.45 in]
Compatible Insulation Diameter Range	2.5 – 3.8 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

Industry Standards

Degree of Protection	IP68, IP6K9K
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	1
Packaging Method	Package

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.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

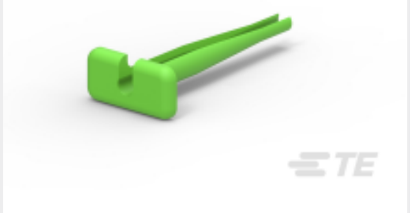
TE Part # CAT-H3910-PC1748
DEUTSCH HD10 PLUG DUST CAPS

TE Part # HD18-006
BACK SHELL

TE Part # CAT-H3910-CH8172
DEUTSCH HD10 Housings

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

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

TE Part # HD10-6-96P-N005
HDR, 6P, BLK, N, ST, SN/NI, 16

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

Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers (32)

Automotive Housings(768)

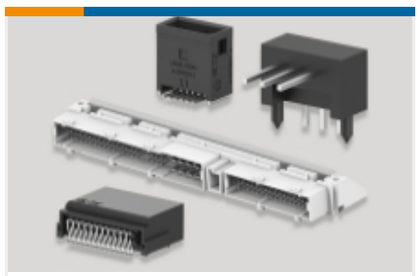
Connector Backshells(29)

Connector Seals & Cavity Plugs(10)

Connector Strain Relief(5)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(11)



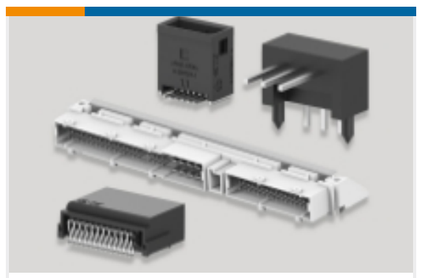
PCB Headers & Receptacles(1)

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 #M902-2163
DEUTSCH HD10 Backshells

TE Part #HDC14-6
DUST CAP, 6P, PLG, GRY, HD10

TE Part #HD14-3-16P
DEUTSCH HD10 Housings

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

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

TE Part #HDC16-5-LA
DUST CAP, 5P, REC, GRY, LANYARD, HD10

Documents

Product Drawings

PLG, 6P, GRY, N, 16

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD16-6-96S_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-96S_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-96S_D.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Engineering Report

English

Agency Approvals

UL Report

English