

HD10-6-96P ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-6-96P

Housing for Male Terminals, Wire-to-Panel, 6 Position, Sealable, Gray, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



Connector System: **Wire-to-Panel**

Number of Positions: **6**

Connector & Housing Type: **Housing for Male 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-Panel
Connector & Housing Type	Housing for Male 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	Pin
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	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF
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Dimensions

Connector Height	41.6 mm[1.64 in]
Product Width	38.9 mm[1.53 in]
Product Length	38.9 mm[1.53 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
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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	1
Packaging Method	Package

Other

Serviceable	Yes
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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	<p>Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p>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.</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



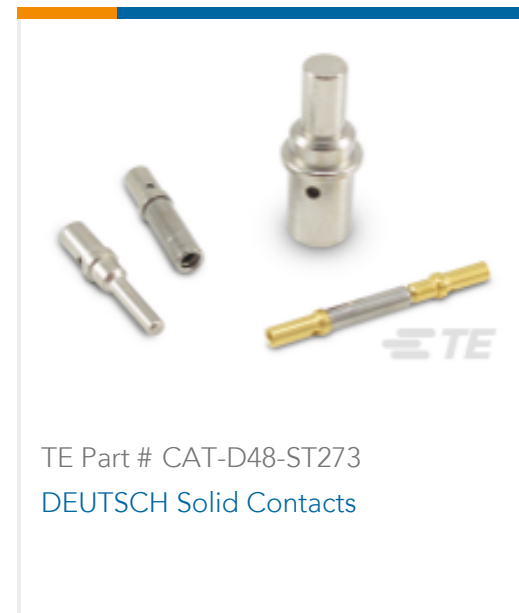
TE Part # CAT-H3910-B128
DEUTSCH HD10 Backshells



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



TE Part # HDC14-3
DUST CAP



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # HD16-6-96S
PLG, 6P, GRY, N, 16



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



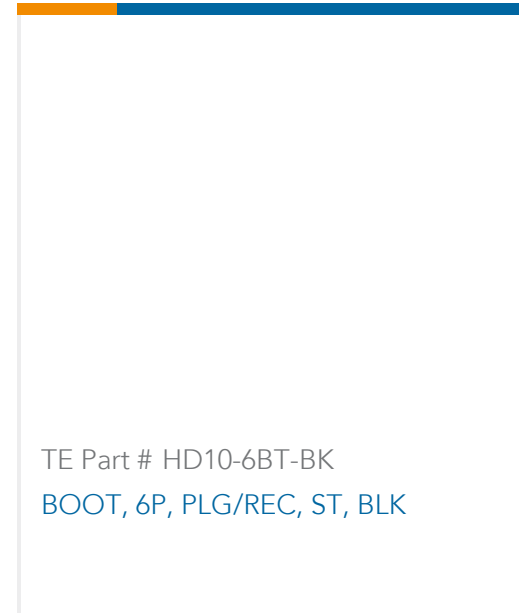
TE Part # 0411-310-1605
EXT TOOL, SIZE 16, 16-18 AWG, T, LT BLU



TE Part # 0411-336-1605
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU



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

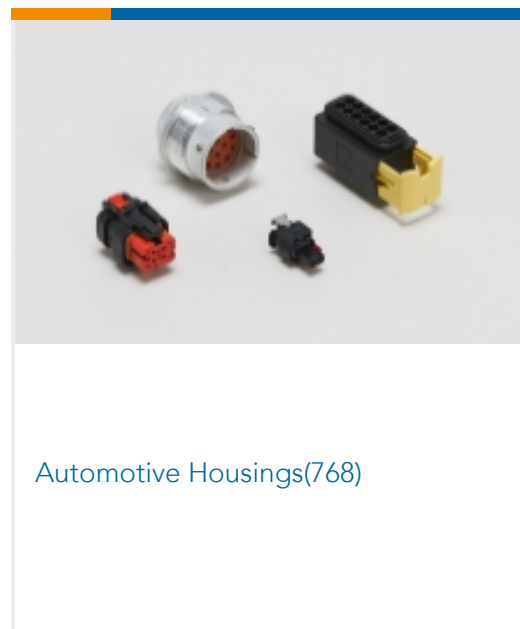


TE Part # HD10-6BT-BK
BOOT, 6P, PLG/REC, ST, BLK

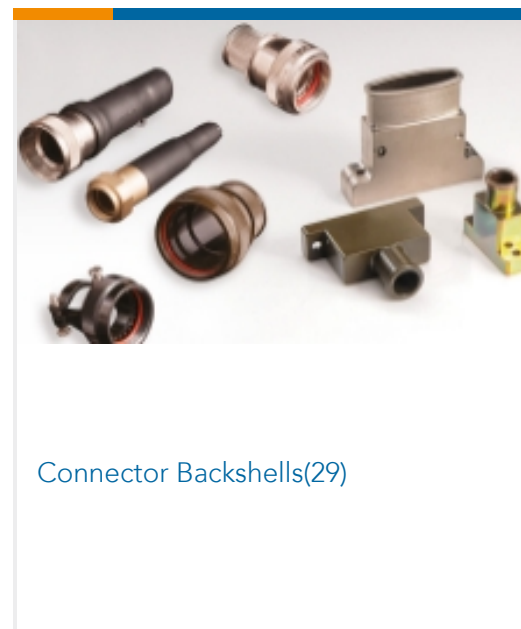
Also in the Series | **DEUTSCH HD**



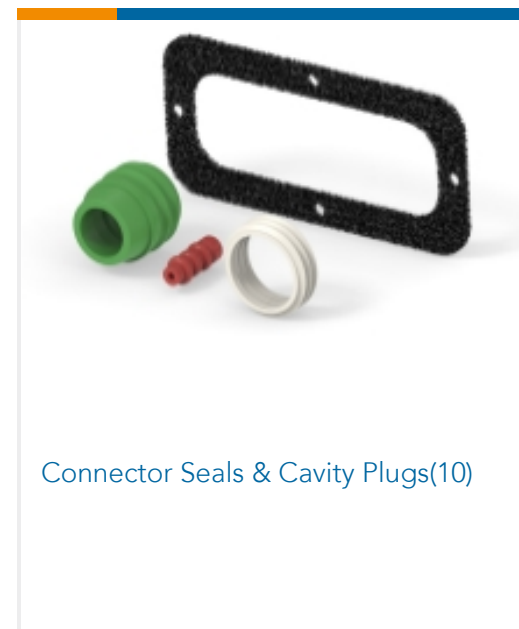
Automotive Connector Caps & Covers (32)



Automotive Housings(768)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



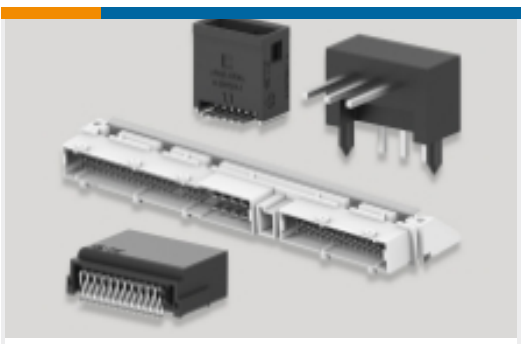
Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD10**



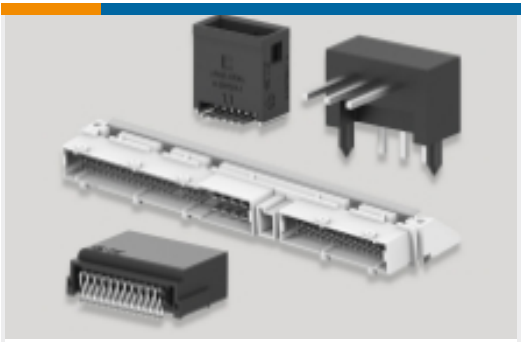
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #M902-2162
DEUTSCH HD10 Backshells



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



TE Part #8-1614884-2
CPF 0805 8K2 0.1% 25PPM 1K RL



TE Part #2-1879355-3
RR03 5% 36K AMMO



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



TE Part #214803-E
EPSVA KS GD-8 TL 6 3,8 SN *
STROMVERSORG



TE Part #4-2098641-1
2POS, MCON 1.2 CB REC 2p SL
SEALED



TE Part #9541-100C-S-C-3-S
PRESSURE I2C 1.5 PSIG SO16



TE Part #P040302
P040302



Documents

Product Drawings

[REC, 6P, GRY, N, THRD, FLANGE, 16](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_HD10-6-96P_99_c-hd10-6-96p-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD10-6-96P_99_c-hd10-6-96p-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD10-6-96P_99_c-hd10-6-96p-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