

# HD10-9-96P-N005 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-9-96P-N005

PCB Mount Header, Vertical, Wire-to-Board, 9 Position, Fully Shrouded, Tin, Through Hole - Solder, Sealable, Power & Signal, Black, Hybrid

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**

Number of Positions: **9**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

Primary Product Color: **Black**

## Features

### Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Circular
PCB Connector Assembly Type	PCB Mount Header
Header Type	Fully Shrouded
Connector System	Wire-to-Board
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Sections	1
Number of Signal Positions	9
Number of Positions	9
PCB Mount Orientation	Vertical

### Electrical Characteristics

Voltage Rating (Max)	250 VAC
Nominal Voltage Architecture	12 V, 24 V
Operating Voltage	250 VAC

### Body Features

Primary Product Color	Black
-----------------------	-------



### Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	13 A

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
---	-----------------------

### Mechanical Attachment

Mounting Holes	With
Mating Alignment Type	Guide Slot
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	With
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Screw
Mating Retention Type	Locking Interface
Connector Mounting Type	Panel Mount

### Dimensions

Connector Length	32.08 mm[1.263 in]
Connector Width	38.1 mm[1.5 in]
PCB Thickness (Recommended)	.78 – 3.18 mm[.031 – .125 in]
Profile Height from PCB	32.08 mm[1.263 in]

### Usage Conditions

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

### Operation/Application

Shielded	No
Circuit Application	Power & Signal

### Industry Standards

Degree of Protection	Not Tested
----------------------	------------



UL Flammability Rating Not tested

**Packaging Features**

Packaging Type	Box
Packaging Quantity	240

**Product Compliance**

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (3.7% in Component Part) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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-CH8172  
DEUTSCH HD10 Housings



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



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



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



TE Part # HDC14-3  
DUST CAP



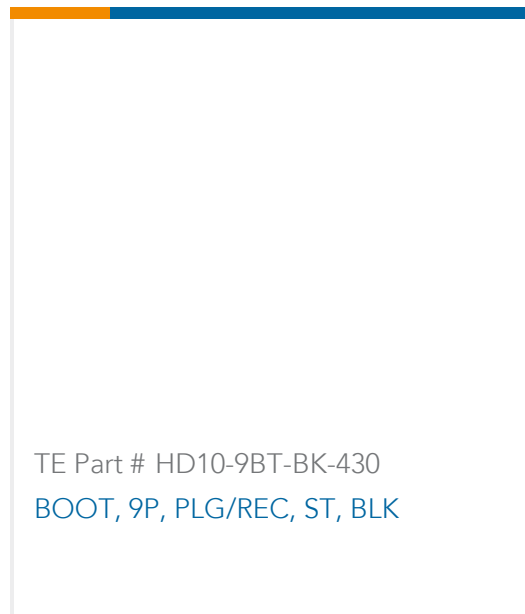
TE Part # 0411-291-1405  
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



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

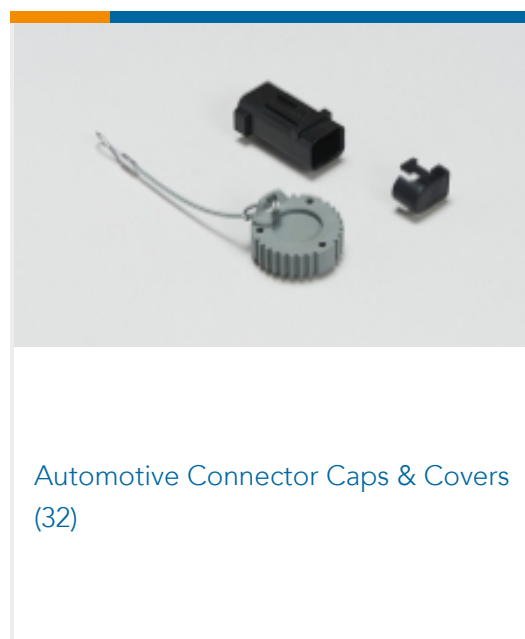


TE Part # 0411-204-1605  
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU

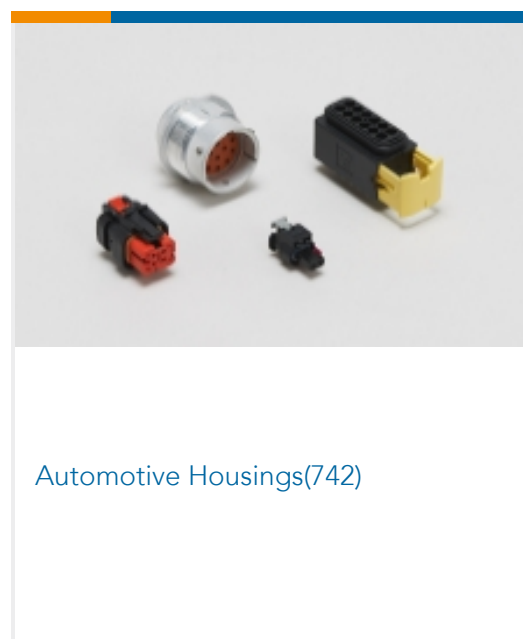


TE Part # HD10-9BT-BK-430  
BOOT, 9P, PLG/REC, ST, BLK

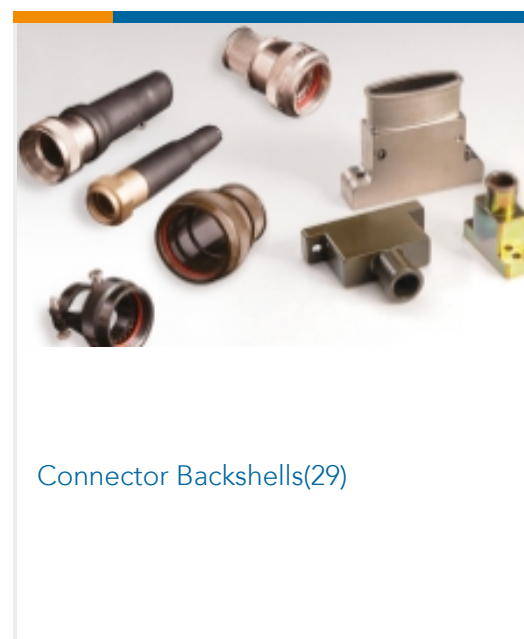
Also in the Series | **DEUTSCH HD**



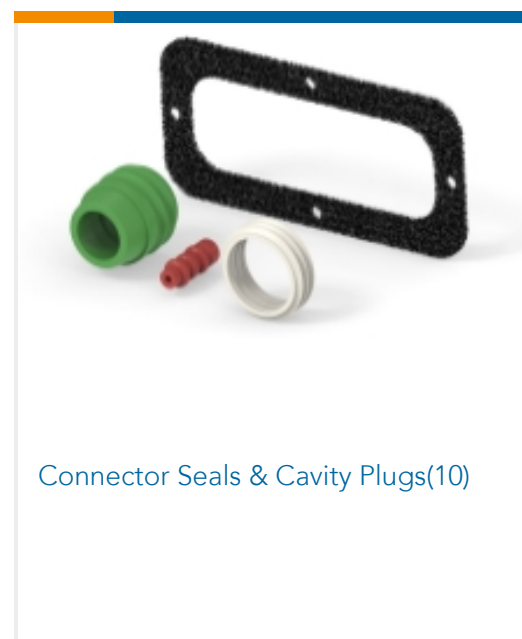
Automotive Connector Caps & Covers  
(32)



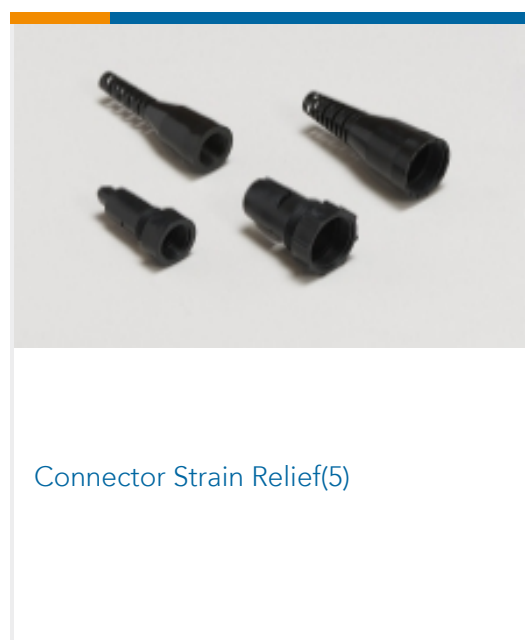
Automotive Housings(742)



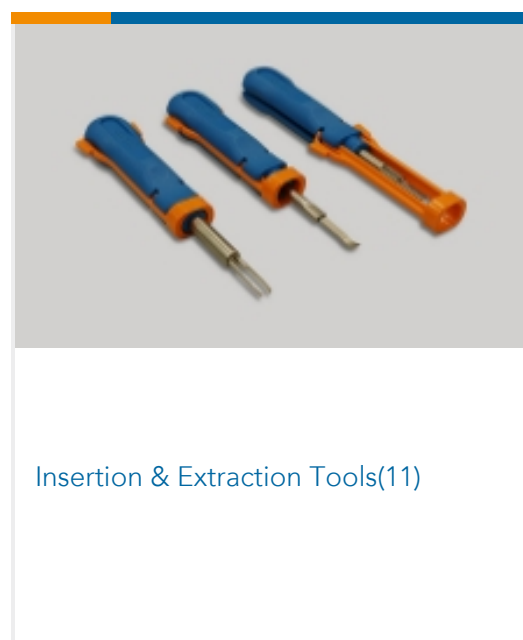
Connector Backshells(29)



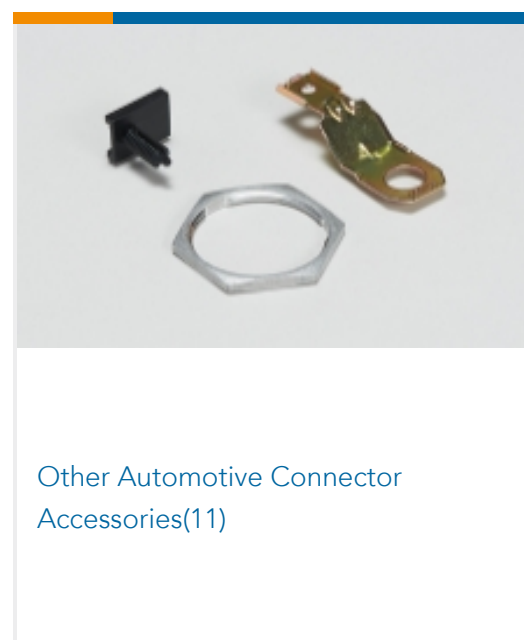
Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD10**



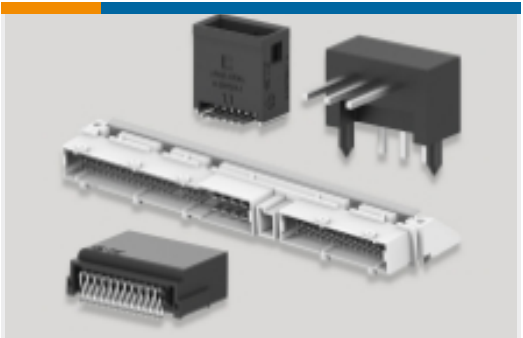
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

## Customers Also Bought



TE Part #0413-216-2005  
SEALING PLUG, SIZE 20, KEYING, RED



TE Part #3-2176070-6  
3521 300R 1% 2W



TE Part #HD34-18-20PN-059  
REC,20P,AL,N,CBLCLMP BT,DRAIN,16 /20,P,MC



TE Part #1452421-1  
58 POS. CONNECTOR COVER 90 ASSY



TE Part #SRK06-MDC-32A-001  
DEUTSCH Strike Housings



TE Part #2822362-4  
070 EJ MK-2 SENSOR PLUG 2P DARK GREEN



TE Part #K1131030  
Relay 29-011-02-929



TE Part #936251-2  
090 SLD 3P PLUG ASSY BLACK



TE Part #1-1452424-1  
BLIND PLUG FOR MCON 1.2 CB (0)

## Documents

### Product Drawings

[SQ FG REC ASM](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_HD10-9-96P-N005\\_B.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HD10-9-96P-N005\\_B.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HD10-9-96P-N005\\_B.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