HD10-9-96P-N005 ✔ ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

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

Vertical, Wire-to-Board, 9 Position, Tin (Sn), Sealable, Printed Circuit Board, 13A Contact Current Rating (Max), Power, Black, DEUTSCH HD10

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Automotive Parts > Automotive Connectors > Automotive Headers > DEUTSCH DT Headers



PCB Mount Orientation: **Vertical**

Contact Current Rating (Max): **13 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **Yes**

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

All DEUTSCH DT Headers (73)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Sealable	Yes
Connector System	Wire-to-Board
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

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

Body Features

Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.6 mm[.063 in]
Contact Type	Pin
Contact Current Rating (Max)	13 A
Contact Mating Area Plating Material	Tin (Sn)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Dimensions

Connector Width	38.1 mm[1.5 in]
PCB Thickness (Recommended)	.78 – 3.18 mm[.031 – .125 in]
Profile Height from PCB	32.1 mm[1.26 in]
Connector Length	38.1 mm[1.5 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

Industry Standards

IP Rating	IP68, IP6K9K
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	48
Packaging Method	Tray

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.7% in 74019790) **Article Safe Usage Statements:** 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 # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



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



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



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

Also in the Series | DEUTSCH HD10



Automotive Connector Caps & Covers (22)

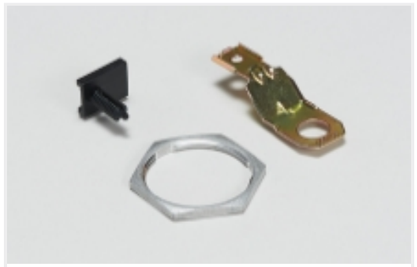
Also in the Series | DEUTSCH HD



Automotive Housings(670)



Automotive Seals & Cavity Plugs(10)



Other Automotive Connector Accessories(17)

Customers Also Bought



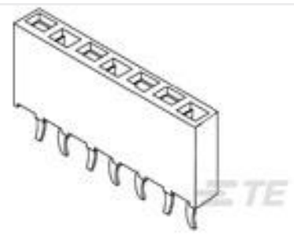
TE Part #CAT-H3910-B128
DEUTSCH HD10 Backshells



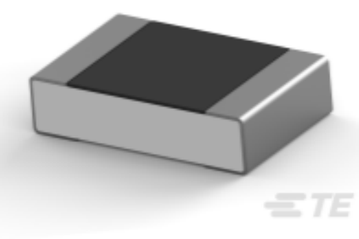
TE Part #HD16-6-96S
PLG, 6P, GRY, N, 16



TE Part #CAT-C73765-M1H
M12 Panel Mount PCB



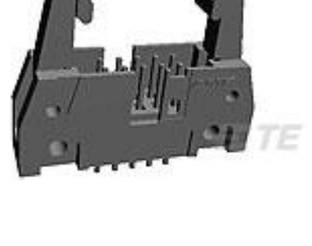
TE Part #215299-3
3P HV100 REC CON. TE, 8.5MM



TE Part #4-2176380-9
RQ 0805 3K65 0.1% 10PPM 5K RL



TE Part #2823064-1
M12-DUST CAP-FEMALE CONN-IP67-W/O SLEEVE



TE Part #5499910-1
A/L UNIV HDR 10P VERT SHT LAT

TE Part #0730-001-0905
CPLG RING

Documents

Product Drawings

HDR, 9P, BLK, N, ST, SN/NI. 16

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

DEUTSCH HD10 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English