

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 (Sn), Through Hole - Solder, Sealable, Power, Black, Tray, Hybrid

[View on TE.com >](#)



Connectors > PCB Connectors > PCB Headers & Receptacles > DEUTSCH DT Headers



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

Number of Positions: **9**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

Primary Product Color: **Black**

[All DEUTSCH DT Headers \(73\)](#)

Features

Product Type Features

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

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

Termination Features

Termination Method to PCB	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	Board Mount

Dimensions

Connector Length	38.1 mm[1.5 in]
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]

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



Degree of Protection	IP68, IP6K9K
UL Rating	Recognized
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	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.7% in Component Part) 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 # CAT-H3910-RC1748
Receptacle Dust Caps — DEUTSCH
HD10

TE Part # HDC14-3
DUST CAP

TE Part # CAT-H3910-CH8172
DEUTSCH HD10 Housings

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

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
BOOT, 9P, PLG/REC, ST, BLK

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(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)

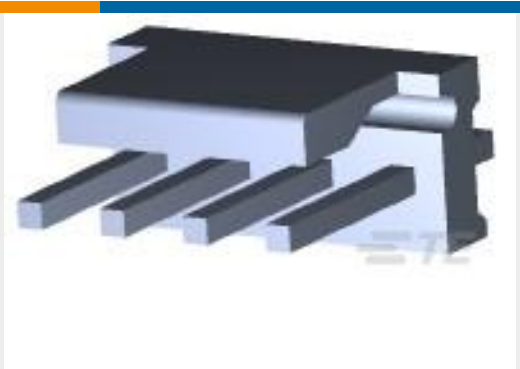
Customers Also Bought



TE Part #5499910-1
AMP-LATCH UNIVERSAL HEADERS



TE Part #1060-16-0622
PIN, SF, SIZE 16, 16-20, NI/SN



TE Part #640445-4
04P MTA156 HDR ASSY FL/STR SN



TE Part #2-2176339-7
CRGCQ 0603 1K5 1%



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



TE Part #1565917-4
EMBOSS ASSY DDR2 SODIMM
SOCKET 200P 5.2H



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



TE Part #K1060028
Relay 29-111-12



TE Part #K1002401
Relay 29-311-01

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