HD10-9-96P-N005 ✔ ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

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

PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **9**

Header Type: **Fully Shrouded**

All DEUTSCH DT Headers (73)

Features

Product Type Features

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

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

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Body Features

Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.6 mm[.063 in]
Contact Size	Size 16
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	13 A

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

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

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Industry Standards

IP Rating	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: JAN 2025 (247)
	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

HD10-9-96P-N005

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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 # CAT-H3910-CH8172
DEUTSCH HD10 Housings

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

TE Part # HDC14-3
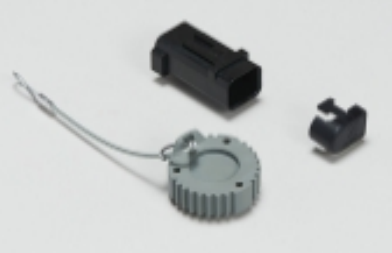DUST CAP

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

Also in the Series | DEUTSCH HD10

Automotive Connector Caps & Covers (26)

Automotive Headers(1)

Automotive Housings(768)

Connector Backshells(29)

PCB Headers & Receptacles(1)

Rectangular Power Connectors(1)

Wire-to-Board Headers & Receptacles (1)

Also in the Series | DEUTSCH HD

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
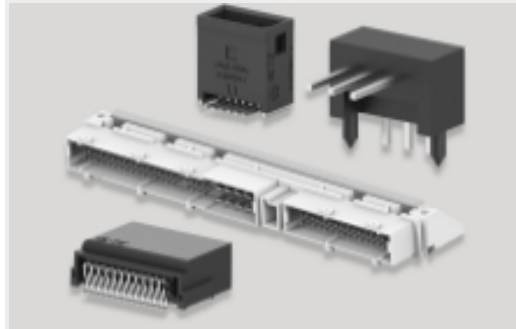
Automotive Connector Caps & Covers (26)

Automotive Housings(768)

Other Automotive Connector Accessories(17)

PCB Headers & Receptacles(1)

Rectangular Power Connectors(1)

Customers Also Bought

TE Part #7-146277-0
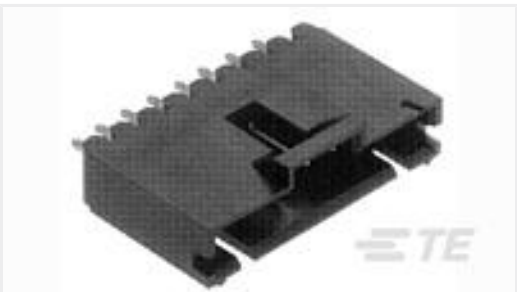20 MODII HDR SRST B/A .100CL

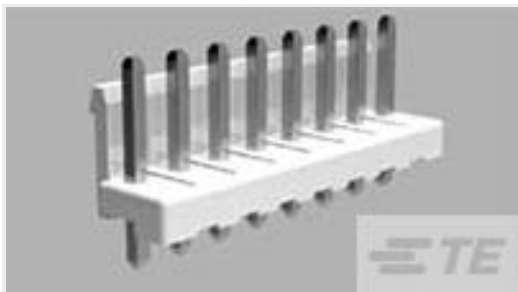TE Part #K1131030
Relay 29-011-02-929

TE Part #5747844-6
09 MSFL RCPT RA 318 (SL,FM,BL)

TE Part #CAT-104MTA-PVUNH
PCB Header: Polyester, Vertical, Unshrouded, No Mating Alignment
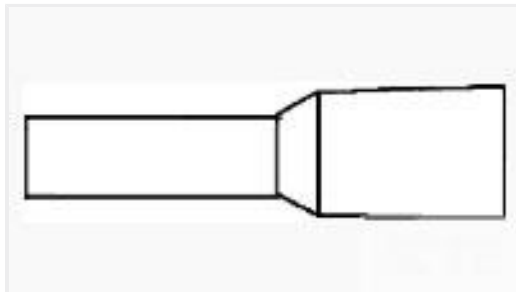
TE Part #6-103639-9
20 MTE HDR SRST LATCH .100CL

TE Part #1-1123723-2
3.96 EP HDR ASSY 2P(NATURAL)

TE Part #2337822-1
DISCR.ETH.MAG. 10/100 SINGLE SMT

TE Part #966067-6
FER,WIRE,PL SLV,.75/18,L10,GREY,LP

TE Part #K1150350
Battery Disconnector 35-224-131-R-900

Documents

HD10-9-96P-N005

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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