

# 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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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
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### Contact Features

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

Termination Method to PCB	Through Hole - Solder
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### Mechanical Attachment

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

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

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

Shielded	No
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Circuit Application	Power
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### Industry Standards

IP Rating	IP68, IP6K9K
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UL Flammability Rating	UL 94V-0
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### 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: JUNE 2025 (250) SVHC > Threshold: Pb (3.7% in 74019790) <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



Also in the Series | **DEUTSCH HD10**



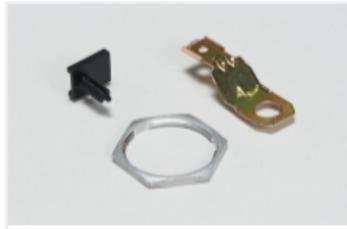
Also in the Series | **DEUTSCH HD**



Automotive Housings(636)



Automotive Seals & Cavity Plugs(10)



Other Automotive Connector Accessories(17)

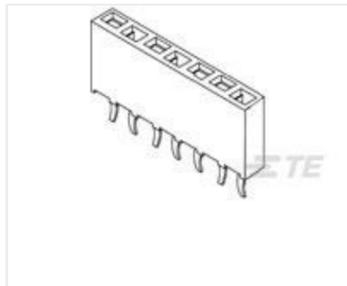
## Customers Also Bought



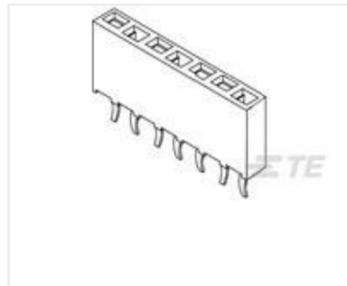
TE Part #36923  
TERMINAL,SOLIS R 2/0 3/8



TE Part #36925  
TERMINAL,SOLIS R 2/0 1/2



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



TE Part #215299-4  
4P HV100 REC CON. TE, 8.5MM



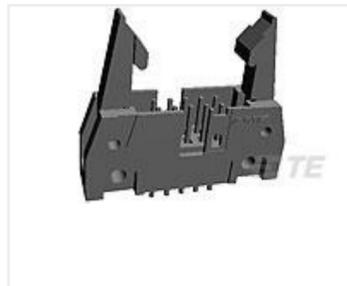
TE Part #826926-3  
3P AMPMODU II PIN HDR.



TE Part #826926-4  
4P AMPMODU II STIFT LEI



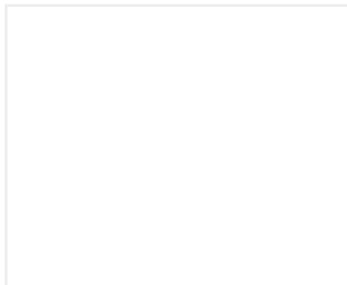
TE Part #4-2176380-9  
RO 0805 3K65 0.1% 10PPM 5K RL



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



TE Part #5-103976-5  
4X6 MTE RCPT SR PLAIN .100CL



TE Part #1825219-3  
TT11DGPC104

## 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.

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**Datasheets & Catalog Pages**

[DEUTSCH HD10 CONNECTOR SERIES](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL Report](#)

English