HD16-9-16S - ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD16-9-16S Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.59 mm [.063 in]

Connector System: Wire-to-Wire

Number of Positions: 9

Sealable: Yes

All DEUTSCH HD10 Housings (53)

Features

Product Type Features

Connector Shape

Circular

Connector & Housing Type

Housing for Female Terminals

Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable
Configuration Features	
Blank Cavity Position	0
Number of Positions	9
Electrical Characteristics	
Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V
Body Features	
Cable Exit Angle	180°
Primary Product Color	Gray

Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid



Contact Features

Terminal Position AssuranceNoStrain ReliefAdd By AccessoryMating Alignment TypePolarizing RibMating Alignment TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GFBousing MaterialPA GFDemensionsConnector HeightConnector Height40.39 mml.159 in]Product Width40.39 mml.159 in]Product Length40.88 mml.1-0.15 in]Product Length40.88 mml.1-0.15 in]Product Length5.5 – 125 °C[-67 – 257 °C]Operating Temperature Range-55 – 125 °C[-67 – 257 °C]Operating Temperature Range-55 – 125 °C[-67 – 257 °C]Operating Temperature RangePower & SignalIndustry StandardsPressignalUL Planmability RatingUL 94V-1UL Flammability RatingUL 94V-1Packaging QuantityPS0Packaging MethodSignal		
Mating Pin Diameter1.99 mm [063 in]Contact Current Rating (Max)13.AMachanical AttachmentNoStrain ReliefAdd By AccessoryMating Alignment TypePolarizing RibMating Alignment TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPA GFDiversionCannector Mounting TypeHousing Material0.39 mm (1.59 in]Product Might40.39 mm (1.59 in]Product Length40.39 mm (1.59 in]Product Length0.49 mm (1.69 in]Accepts Insulation Diameter Range254 - 331 mm (1 - 1.51 in]Verge Conditions195 "CIPS7 "F1Connector Mounting Type90 erg (1.59 mm (1 - 1.51 in)]Coperating Temperature (Max)195 "CIPS7 "F1Operating Temperature Range195 "CIPS7 "F1Count ApplicationProduct LengthApplication1968 (IF6K)KCount Application1968 (IF6K)KCount Application1968 (IF6K)KCount Application1968 (IF6K)KCount Application1968 (IF6K)KCount Application200Packaging Quantity200Packaging Methed200Packaging Methed200Packaging Methed200Count Current Curren	Contact Size	Size 16
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Product Length40.88 mm[1.609 in]Accepts Insulation Diameter Range2.54 - 3.81 mm[.115 in]Usage Conditions25 °C[257 °F]Operating Temperature (Max)125 °C[.67 - 257 °F]Operating Temperature Range.55 - 125 °C[.67 - 257 °F]Operation/ApplicationPower & SignalOperation/ApplicationPower & SignalIndustry StandardsUUL Flammability RatingUPackaging Quantity250Packaging Quantity250Packaging MethodBoxOperationsSource SignalOperationsSource SignalPackaging MethodSource SignalServiceableYeg	Connector Height	40.39 mm[1.59 in]
Accepts Insulation Diameter Range2.54 – 3.81 mm[.1 – .15 in]Usage Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[-67 – 257 °F]Operation Temperature Range-55 – 125 °C[-67 – 257 °F]Operation/ApplicationPower & SignalCircuit ApplicationPower & SignalIndustry Standards-Degree of ProtectionP68, IP6K9KUL Flammability RatingUL 94V-1Packaging Guantity50Packaging MethodBoxOther-ServiceableYes	Product Width	40.39 mm[1.59 in]
Usage Conditions Operating Temperature (Max) 125 °C (257 °F) Operating Temperature Range -55 - 125 °C (-67 - 257 °F) Operation/Application Circuit Application Circuit Application Power & Signal Nutsery Standards Pagree of Protection UL Flammability Rating UL Flammability Rating Packaging Features Packaging Method Packaging Method Serviceable Method	Product Length	40.88 mm[1.609 in]
Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-55 - 125 °C[-67 - 257 °F]Operation/Application-55 - 125 °C[-67 - 257 °F]Operation/ApplicationPower & SignalIndustry Standards	Accepts Insulation Diameter Range	2.54 – 3.81 mm[.1 – .15 in]
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Operation/Application Power & Signal Circuit Application Power & Signal Industry Standards Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating UL 94V-1 Packaging Features Standards Packaging Quantity 250 Packaging Method Box Other Yes	Operating Temperature (Max)	125 °C[257 °F]
Circuit ApplicationPower & SignalIndustry StandardsIndustry StandardsDegree of ProtectionIP68, IP6K9KUL Flammability RatingUL 94V-1Packaging FeaturesSolutionPackaging QuantitySolutionPackaging MethodBoxOtherServiceable	Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
Industry Standards Degree of Protection IP68, IP6K9K UL Flammability Rating UL 94V-1 Packaging Features Packaging Quantity 250 Packaging Method Box 200 Cther Serviceable Yes	Operation/Application	
Degree of Protection IP68, IP6K9K UL Flammability Rating UL 94V-1 Packaging Features V Packaging Quantity 250 Packaging Method Box Other Serviceable	Circuit Application	Power & Signal
UL Flammability Rating UL 94V-1 Packaging Features 250 Packaging Method Box Other Yes	Industry Standards	
Packaging Features 250 Packaging Method Box Other Serviceable	Degree of Protection	IP68, IP6K9K
Packaging Quantity250Packaging MethodBoxOtherYes	UL Flammability Rating	UL 94V-1
Packaging Method Box Other Serviceable	Packaging Features	
Other Serviceable Yes	Packaging Quantity	250
Serviceable Yes	Packaging Method	Box
	Other	
Connector Position Assurance Capable No	Serviceable	Yes
	Connector Position Assurance Capable	No

Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid



Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Saldar Draagaa Canability	Not reviewed for colder process concluity

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

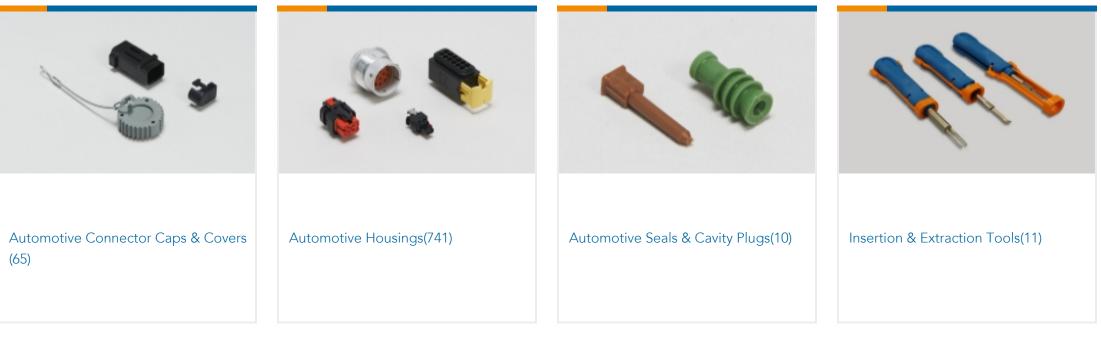


Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid





Also in the Series | DEUTSCH HD

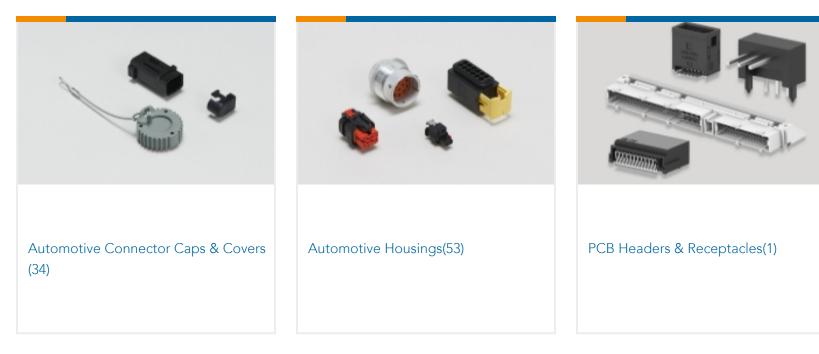






Other Automotive Connector Accessories(11) PCB Headers & Receptacles(1)

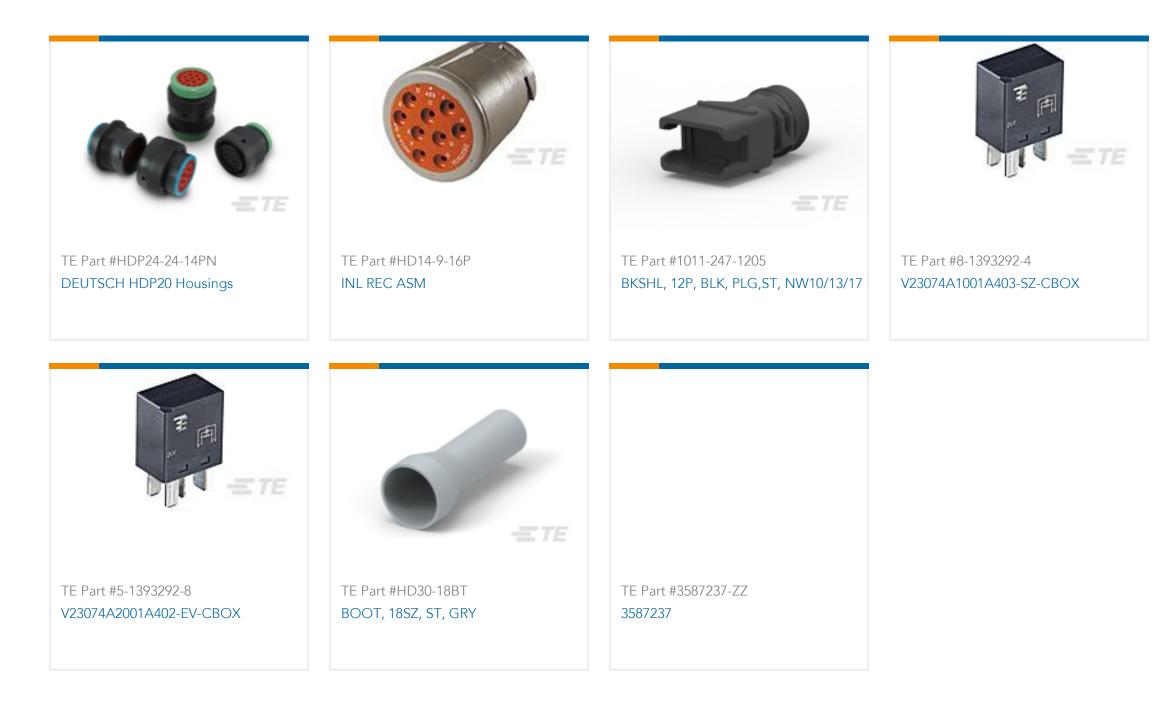
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Customers Also Bought

Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid





Documents

Product Drawings PLUG ASM

English

CAD Files 3D PDF

3D

Customer View Model ENG_CVM_CVM_HD16-9-16S_99_c-hd16-9-16s-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD16-9-16S_99_c-hd16-9-16s-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD16-9-16S_99_c-hd16-9-16s-99.3d_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

Engineering Report

English

Housing for Female Terminals, Wire-to-Wire, 9 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid



Agency Approvals UL Report

English