

HD10-9-1939PE-B022

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-9-1939PE-B022

Hybrid, Housing for Male Terminals, Wire-to-Wire, 9 Position,  
Sealable, Black, Wire & Cable, 13A Contact Current Rating (Max),  
Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD10 HOUSINGS



Connector & Housing Type: **Housing for Male 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 & Housing Type	Housing for Male 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, 48 V

Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black



Contact Features

Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Mounting Feature	With
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized
Connector Mounting Type	Bulkhead, Cable Mount (Free-Hanging), Panel Mount

Dimensions

Product Width	44.45 mm[1.75 in]
Product Length	42.18 mm[1.66 in]
Product Height	41.28 mm[1.625 in]
Accepts Wire Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
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Industry Standards

Degree of Protection	IP68, IP6K9K
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	250
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

 <p>TE Part # CAT-D48-ST273 DEUTSCH SOLID CONTACTS</p>	 <p>TE Part # CAT-H3910-CH8172 DEUTSCH HD10 HOUSINGS</p>	 <p>TE Part # CAT-D48-SP729 DEUTSCH SEALING PLUGS</p>	 <p>TE Part # CAT-H3910-RC1748 DEUTSCH HD10 RECEPTACLE DUST CAPS</p>
 <p>TE Part # CAT-D48-SFT273 DEUTSCH STAMPED &amp; FORMED CONTACTS</p>	 <p>TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU</p>	 <p>TE Part # HD10-9BT BOOT, 9P, PLG/REC, ST, GRY</p>	 <p>TE Part # HD10-9BT-BK BOOT, 9P, PLG/REC, ST, BLK</p>



TE Part # HD10-9BT-BK-430  
BOOT, 9P, PLG/REC, ST, BLK

Also in the Series

DEUTSCH HD

Automotive Connector Caps & Covers  
(47)

Automotive Housings(670)

Automotive Seals & Cavity Plugs(10)

Insertion & Extraction Tools(11)

Other Automotive Connector  
Accessories(11)

Also in the Series


DEUTSCH HD10

Automotive Connector Caps & Covers  
(18)


Automotive Housings(53)

Customers Also Bought







TE Part #1028-043-1205  
DEUTSCH DT BACKSHELLS




TE Part #1011-348-0805  
DEUTSCH DT DUST CAPS



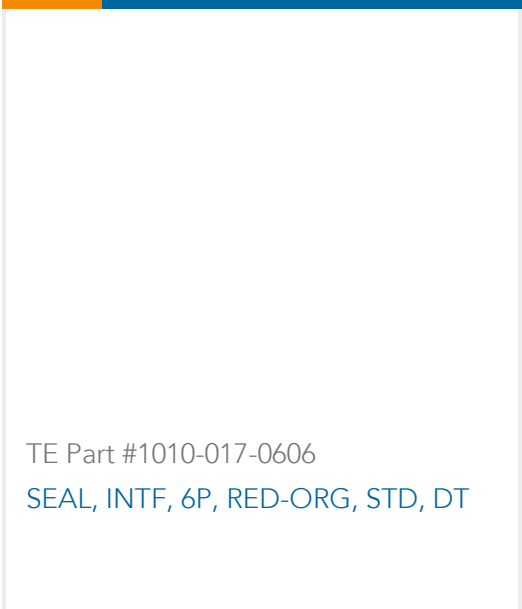
TE Part #114018-ZZ  
DEUTSCH SEALING PLUGS



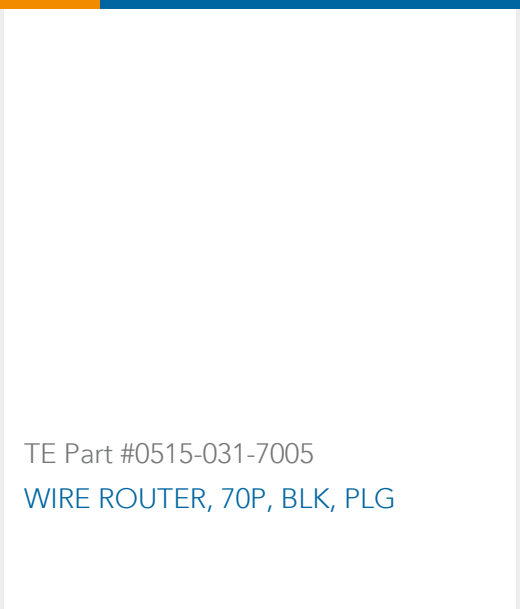
TE Part #1060-16-0644  
DEUTSCH STAMPED & FORMED CONTACTS



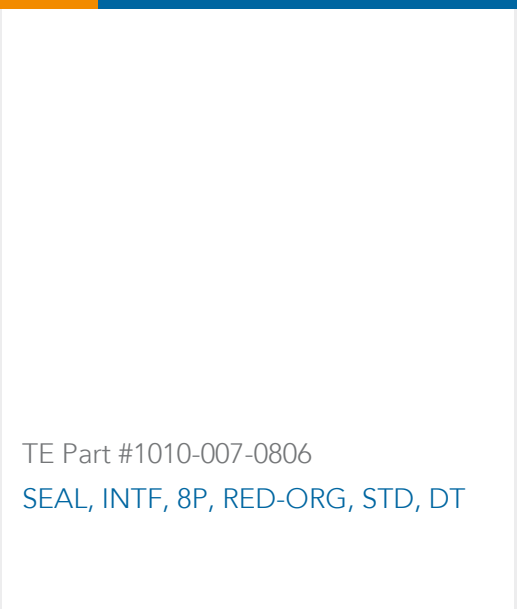
TE Part #2236369-1  
61103 DVI LOCKING SEALING PLUG #16



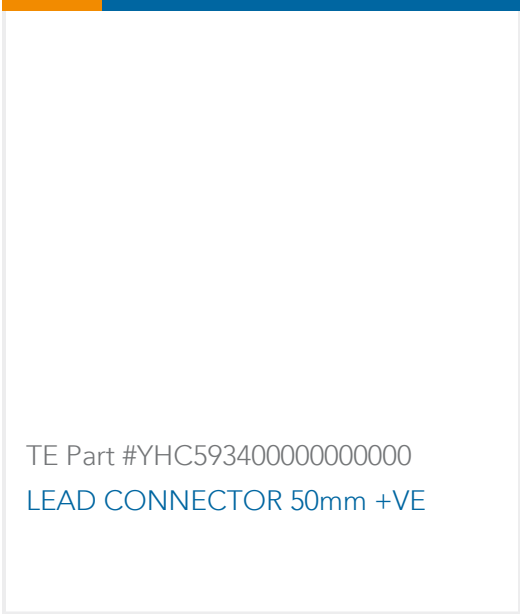
TE Part #1010-017-0606  
SEAL, INTF, 6P, RED-ORG, STD, DT



TE Part #0515-031-7005  
WIRE ROUTER, 70P, BLK, PLG



TE Part #1010-007-0806  
SEAL, INTF, 8P, RED-ORG, STD, DT



TE Part #YHC593400000000000  
LEAD CONNECTOR 50mm +VE

Documents

Product Drawings

RECP ASM

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD10-9-1939PE-B022\_99\_c-hd10-9-1939pe-b022-99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD10-9-1939PE-B022\_99\_c-hd10-9-1939pe-b022-99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD10-9-1939PE-B022\_99\_c-hd10-9-1939pe-b022-99.3d\_stp.zip

English

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Datasheets & Catalog Pages



ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English