

# HD10-9-1939PE-P080

✓ ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

TE Internal #: HD10-9-1939PE-P080

9 Position Housing, Housing for Male Terminals, Wire-to-Panel,  
Sealable, Green, Wire & Cable, Power, Panel Mount, -55 – 125 °C  
[-67 – 257 °F], Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



Number of Positions: **9**

Connector & Housing Type: **Housing for Male Terminals**

Mating Pin Diameter: **1.6 mm [ .063 in ]**

Connector System: **Wire-to-Panel**

Sealable: **Yes**

[All DEUTSCH HD10 Housings \(53\)](#)

## Features

### Housing Features

Housing Material	PA GF
------------------	-------

### Industry Standards

IP Rating	IP6K9K, IP68
-----------	--------------

UL Flammability Rating	20mm Flame Test per Standard UL-94
------------------------	------------------------------------

### Dimensions

Compatible Insulation Diameter Range	1.3 – 3.1 mm[.053 – .12 in]
--------------------------------------	-----------------------------

Product Width	36.5 mm[1.44 in]
---------------	------------------

Product Length	36.5 mm[1.44 in]
----------------	------------------

Connector Height	42.2 mm[1.66 in]
------------------	------------------

### Packaging Features

Packaging Quantity	1
--------------------	---

Packaging Method	Package
------------------	---------

### Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Panel Mount

### Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

### Body Features

Cable Exit Angle	180°
Primary Product Color	Green

### Contact Features

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

### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Panel
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Blank Cavity Position	0
-----------------------	---

Connector Seal Code

E Seal

Number of Positions

9

**Usage Conditions**

Operating Temperature (Max)

125 °C[257 °F]

Operating Temperature Range

-55 – 125 °C[-67 – 257 °F]

**Operation/Application**

Circuit Application

Power

**Product Compliance**For compliance documentation, visit the product page on [TE.com](http://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: JUNE 2024 (241)

Candidate List Declared Against: JUNE 2023 (235)

SVHC > Threshold:  
 Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)  
 Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)  
 Decamethylcyclopentasiloxane (D5) (.5% in Component Part)

**Article Safe Usage Statements:**  
 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

Not Low Halogen - contains Br or Cl &gt; 900 ppm.

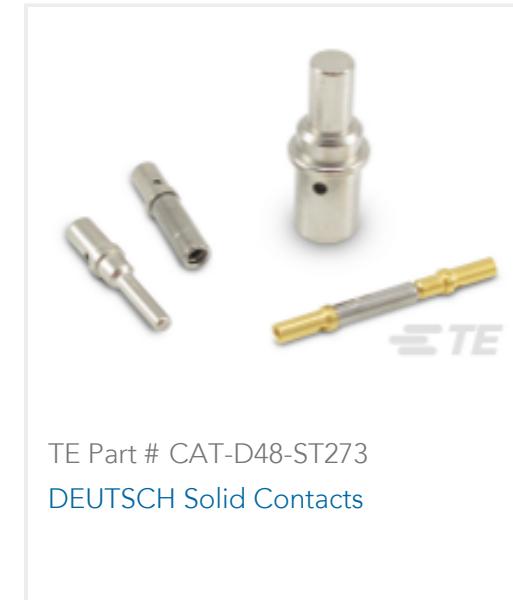
Solder Process Capability

Not reviewed for solder process capability

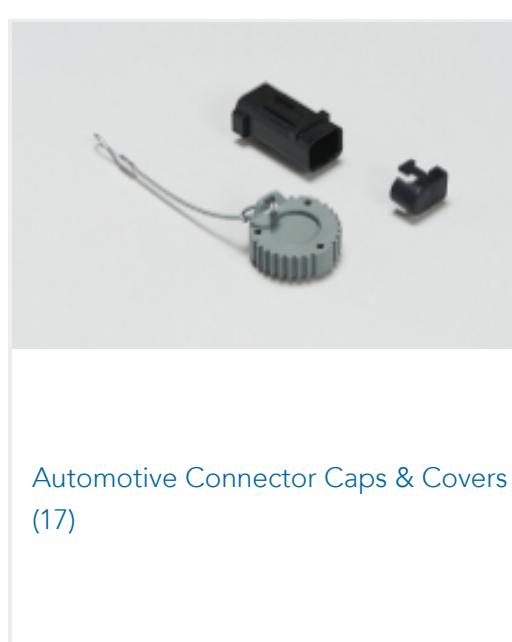
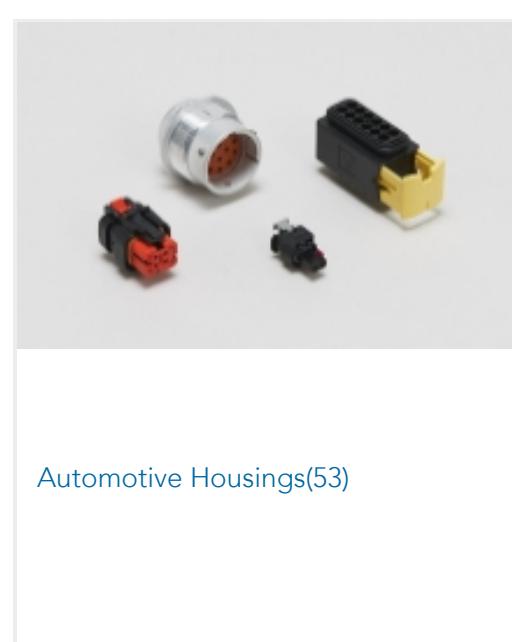
**Product Compliance Disclaimer**

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>

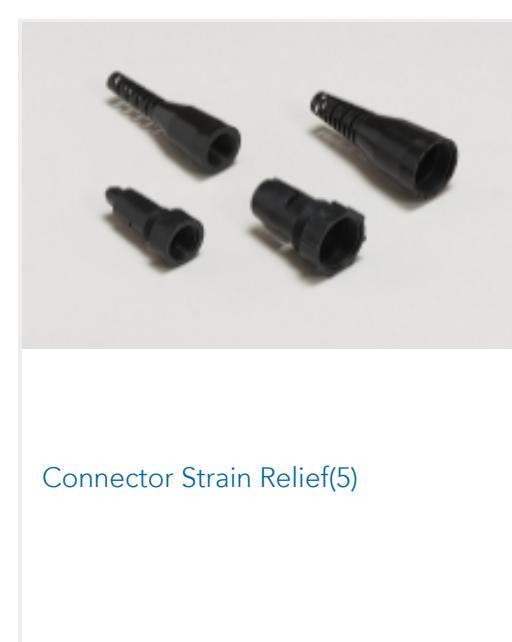
## Compatible Parts

TE Part # HD10-9BT-BK  
BOOT, 9P, PLG/REC, ST, BLKTE Part # CAT-H3910-CH8172  
DEUTSCH HD10 HousingsTE Part # HDC14-3  
DUST CAPTE Part # CAT-D48-ST273  
DEUTSCH Solid ContactsTE Part # HD10-9-GKT  
GASKET, 9SZ, BLK, HD10TE Part # CAT-H3910-RC1748  
Receptacle Dust Caps — DEUTSCH HD10TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp ContactsTE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed ContactsTE Part # HD10-9BT-BK-430  
BOOT, 9P, PLG/REC, ST, BLKTE Part # 0411-336-1605  
EXT TOOL, SIZE 16, 16-20 AWG, E,  
DRK BLUTE Part # HD10-9BT  
BOOT, 9P, PLG/REC, ST, GRYTE Part # CAT-D48-SP729  
DEUTSCH Sealing PlugsTE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-  
24AWG, AU

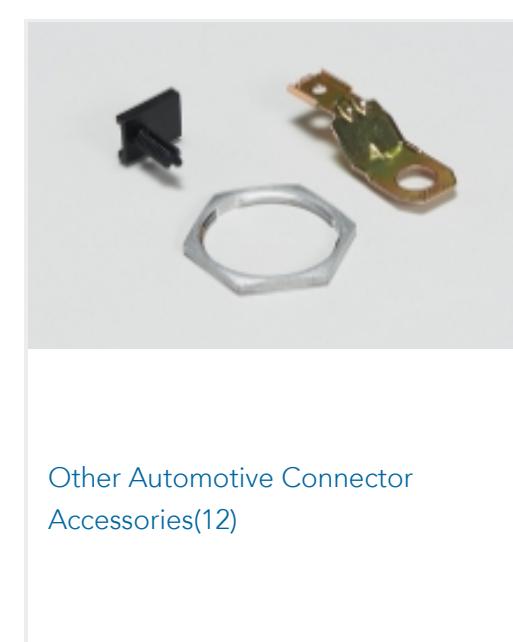
## Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers  
(17)

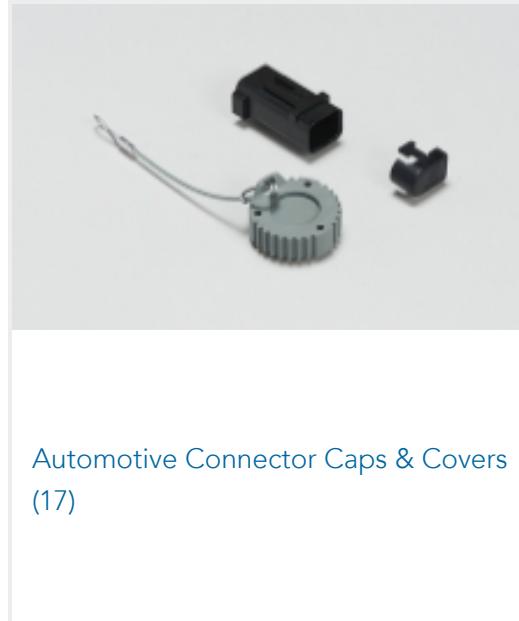
Automotive Housings(53)



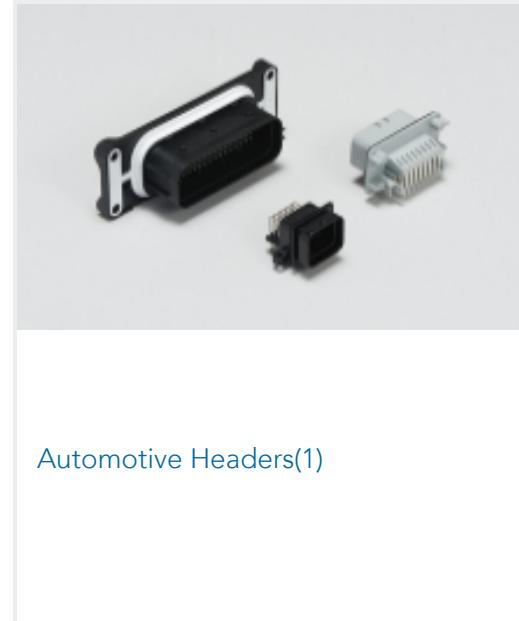
Connector Strain Relief(5)

Other Automotive Connector  
Accessories(12)

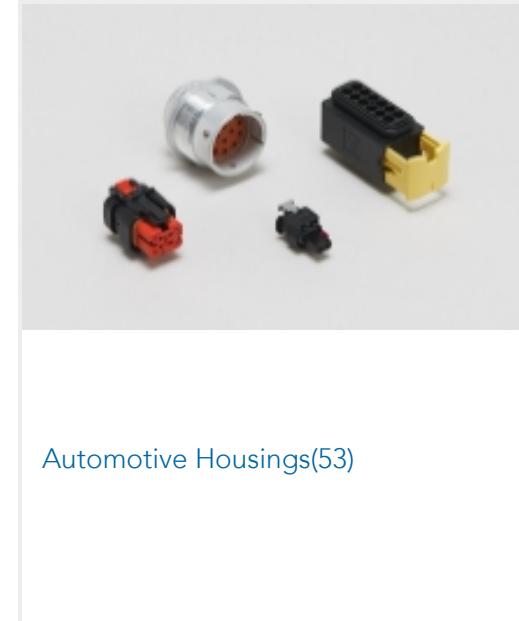
## Also in the Series | DEUTSCH HD10



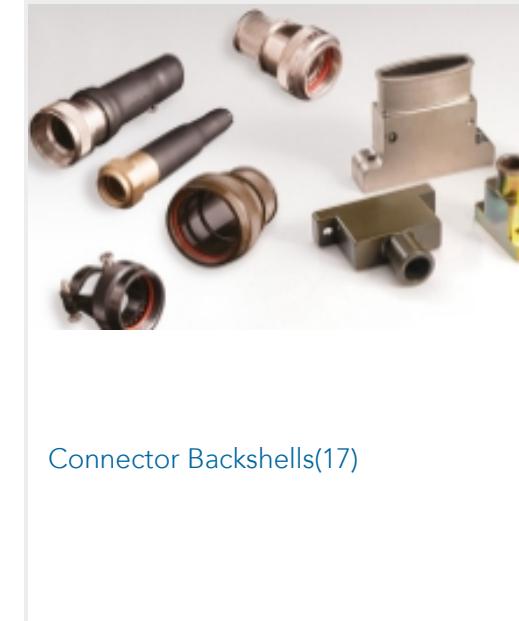
Automotive Connector Caps &amp; Covers (17)



Automotive Headers(1)



Automotive Housings(53)



Connector Backshells(17)

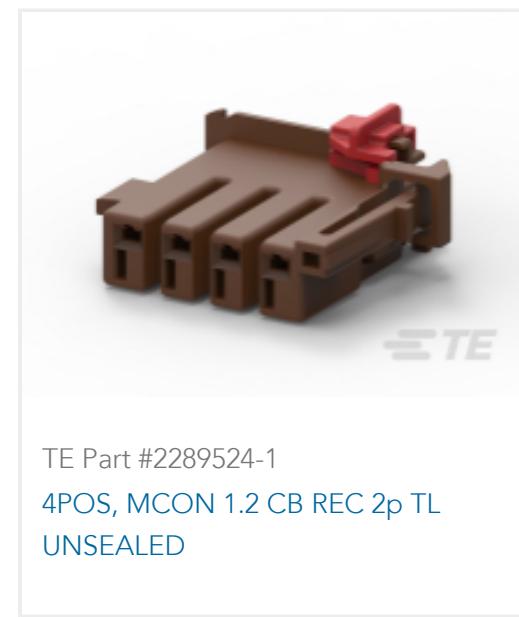
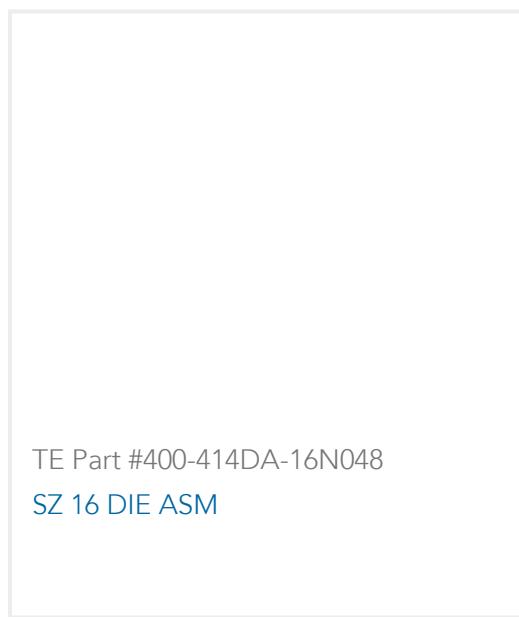


PCB Headers &amp; Receptacles(1)



Wire-to-Board Headers &amp; Receptacles (1)

## Customers Also Bought

TE Part #W4SD-P012  
WEDGE LOCK, 4P, PLG, BRN, SL RET,  
DT, DTE Part #42460-1  
FF 250 TAB 18-14AWG BRTE Part #521744-1  
FASTIN FASTON 250 HOUSING TAB  
NYLON 6/6TE Part #CAT-AM705-CH8172  
AMP MCP, SEALED CONNECTOR  
HOUSINGTE Part #HD16-9-1939SE-P080  
PLG, 9P, GRN, E, J1939, TYPE 2TE Part #HDP24-24-35PE-L017  
REC, 35P, BLK, E, RNG, 16/20, PTE Part #2289524-1  
4POS, MCON 1.2 CB REC 2p TL  
UNSEALEDTE Part #2109472-2  
MCP 1.5/2.8 SLD 30P PLUG COVERTE Part #400-414DA-16N048  
SZ 16 DIE ASM

## Documents

### Product Drawings

[REC, 9P, GRN, E, FLANGE, J1939, TYPE 2](#)

English

---

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_HD10-9-1939PE-P080\\_99.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HD10-9-1939PE-P080\\_99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD10-9-1939PE-P080\\_99.3d\\_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