

# HDP24-18-14PN-L017 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: HDP24-18-14PN-L017

Housing for Male Terminals, Wire-to-Wire, 14 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 – 257 °F [-55 – 125 °C]

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



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

Mating Pin Diameter: **1.59 mm [ .063 in ]**

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

Number of Positions: **14**

Sealable: **Yes**

[All DEUTSCH HDP20 Housings \(324\)](#)

## Features

### Product Type Features

|                                   |                            |
|-----------------------------------|----------------------------|
| Connector Shape                   | Circular                   |
| 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            |
| Connector Modification | Ring Adapter |
| Connector Seal Code    | N Seal       |
| Number of Positions    | 14           |



### Electrical Characteristics

|                              |                  |
|------------------------------|------------------|
| Operating Voltage            | 250 VAC          |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

|                       |       |
|-----------------------|-------|
| Cable Exit Angle      | 180°  |
| Primary Product Color | Black |

### Contact Features

|                              |                  |
|------------------------------|------------------|
| Contact Size                 | Size 16          |
| Contact Type                 | Pin              |
| Mating Pin Diameter          | 1.59 mm[.063 in] |
| Contact Current Rating (Max) | 13 A             |

### Mechanical Attachment

|                             |                  |
|-----------------------------|------------------|
| Terminal Position Assurance | No               |
| Strain Relief               | Add By Accessory |
| Mating Alignment Type       | Guide Post       |
| Mating Alignment            | With             |
| Connector Mounting Type     | Panel Mount      |

### Housing Features

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

### Dimensions

|                                      |                             |
|--------------------------------------|-----------------------------|
| Connector Height                     | 41.28 mm[1.625 in]          |
| Product Width                        | 44.45 mm[1.75 in]           |
| Product Length                       | 44.75 mm[1.762 in]          |
| Compatible Insulation Diameter Range | 2.54 – 3.4 mm[.1 – .134 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 |
|---------------------|----------------|

### Industry Standards

|                        |                                    |
|------------------------|------------------------------------|
| Degree of Protection   | IP67                               |
| UL Flammability Rating | 20mm Flame Test per Standard UL-94 |



### Packaging Features

|                  |     |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

### Other

|                                      |     |
|--------------------------------------|-----|
| Serviceable                          | Yes |
| Connector Position Assurance Capable | No  |

### Product Compliance

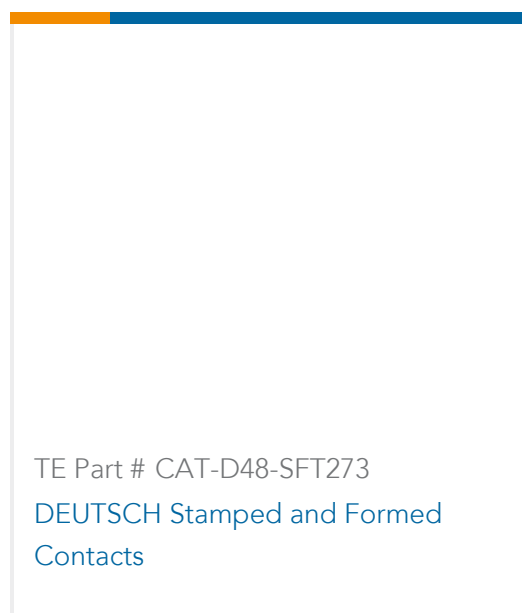
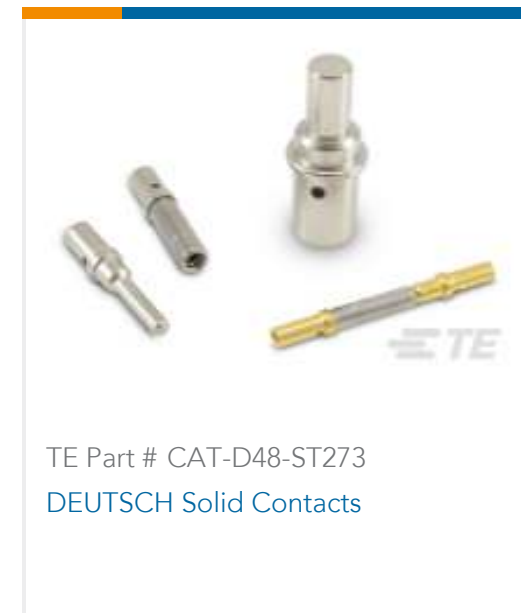
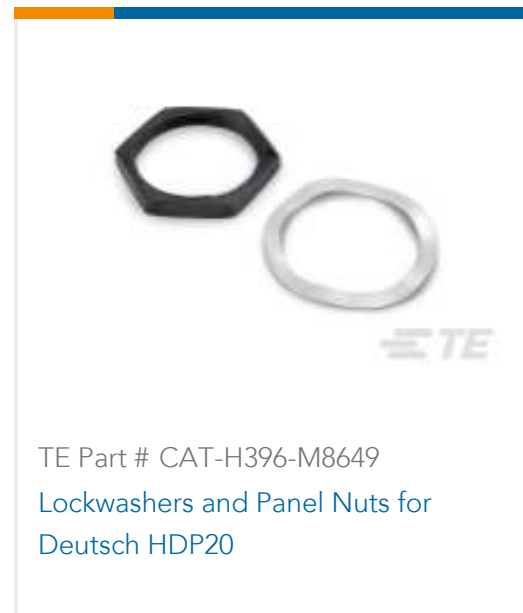
[For compliance documentation, visit the product page on TE.com>](#)

|   |   |
|---|---|
| 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: JUNE 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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  |

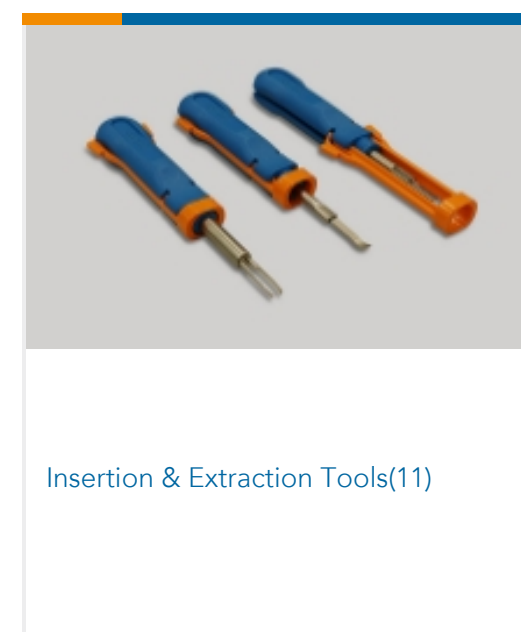
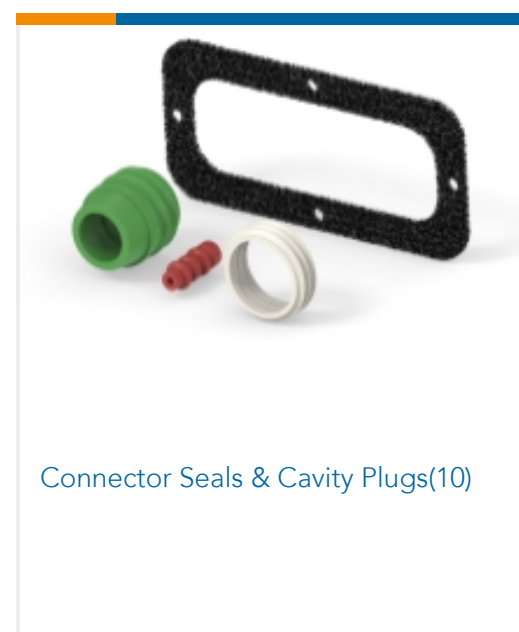
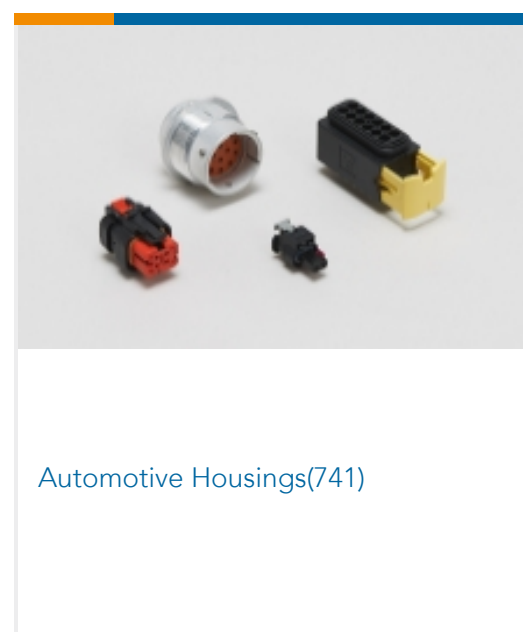
#### Product Compliance Disclaimer

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



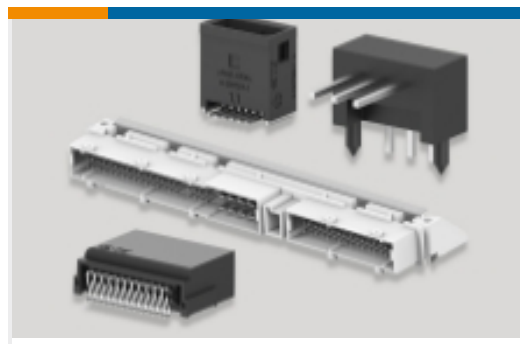
Also in the Series | **DEUTSCH HD**







Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (12)



Automotive Housings(331)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(5)

Customers Also Bought



TE Part #HD34-24-23PN-059  
DEUTSCH HD30 Housings



TE Part #HDP24-18-14SE-L017  
DEUTSCH HDP20 Housings



TE Part #DT06-4S-E003  
PLG, 4P, GRY, N, CAP



TE Part #DRC12-40PAE  
REC, 40P, BLK, E, FLANGE, A



TE Part #DT04-4P-E003  
REC, 4P, GRY, N, CAP



TE Part #W2PA  
WEDGE LOCK, 2P, REC, GRY, DT, A



## Documents

### Product Drawings

[REC, 14P, BLK, N, RNG, 16, P](#)

English

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### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-18-14PN-L017\\_C.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-18-14PN-L017\\_C.3d\\_igs.zip](#)

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Customer View Model

[ENG\\_CVM\\_CVM\\_HDP24-18-14PN-L017\\_C.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[CONNECTOR SELECTOR](#)

English

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### Product Specifications

[Application Specification](#)

English

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### Agency Approvals

[UL Report](#)

English