

HD10-3-96P

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD10-3-96P

Housing for Male Terminals, Wire-to-Panel, 3 Position, Sealable, Gray, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



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

Number of Positions: **3**

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

Sealable: **Yes**

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

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

Features

Product Type Features

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

Configuration Features

|                        |               |
|------------------------|---------------|
| Blank Cavity Position  | 0             |
| Connector Modification | Threaded Rear |
| Number of Positions    | 3             |

Electrical Characteristics

|                              |         |
|------------------------------|---------|
| Operating Voltage            | 250 VAC |
| Nominal Voltage Architecture | 250 V   |

Body Features

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



Contact Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

|                                      |                           |
|--------------------------------------|---------------------------|
| Connector Height                     | 41.6 mm[1.64 in]          |
| Product Width                        | 29.6 mm[1.16 in]          |
| Product Length                       | 29.6 mm[1.16 in]          |
| Compatible Insulation Diameter Range | 2.5 – 3.8 mm[.1 – .15 in] |

Usage Conditions

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

Operation/Application

|                     |       |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 1       |
| Packaging Method   | Package |

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 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<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



TE Part # CAT-H3910-B128  
DEUTSCH HD10 Backshells



TE Part # HDC14-3  
DUST CAP

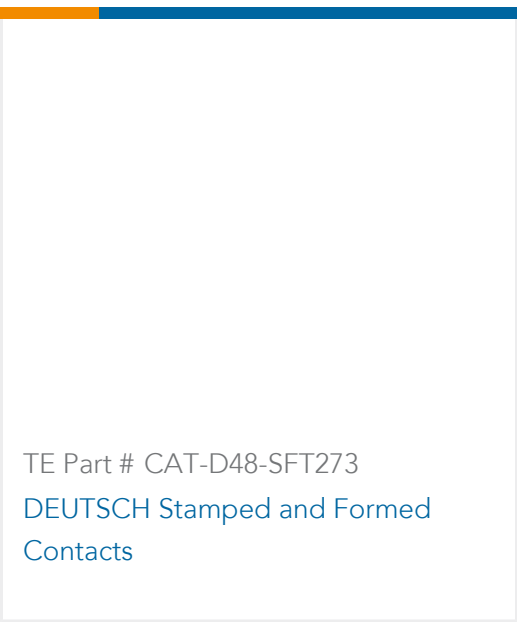


TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts

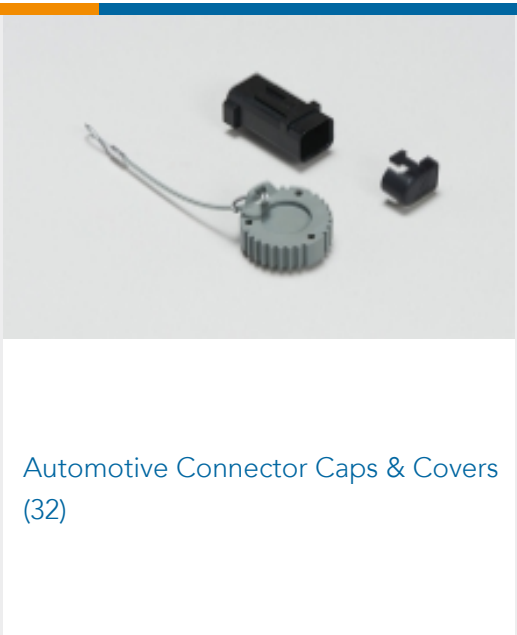
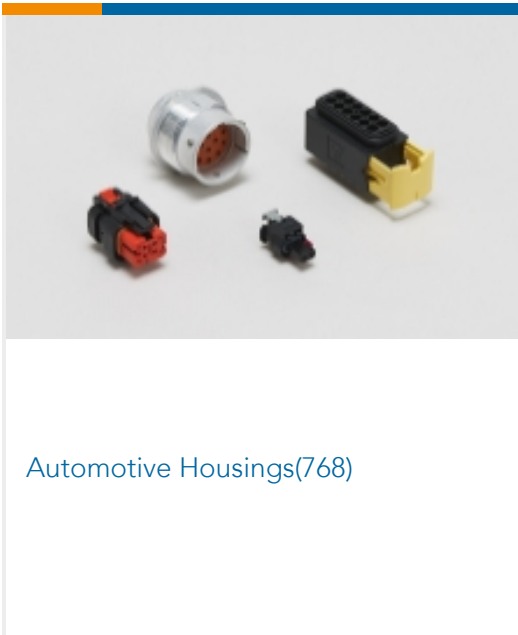
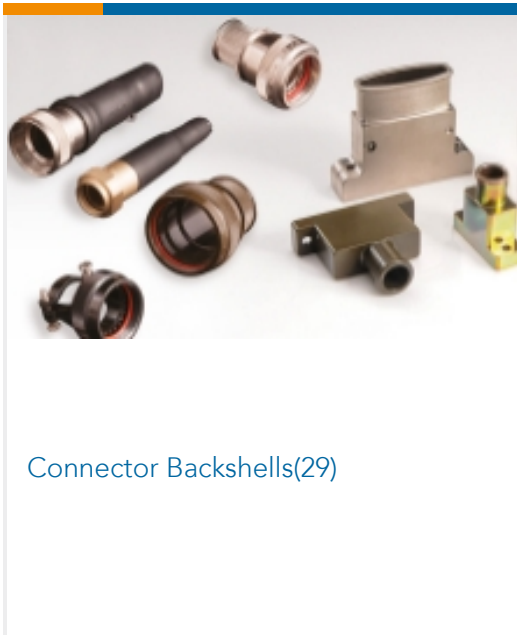
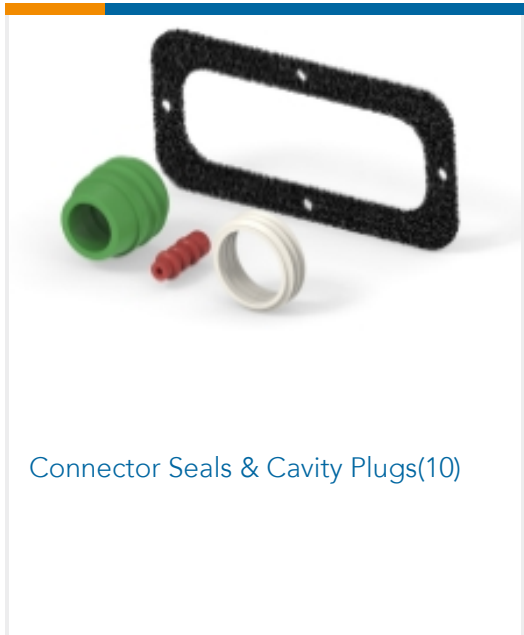
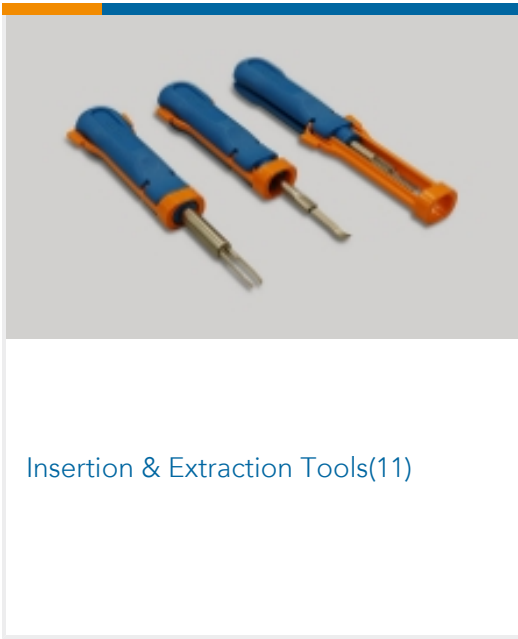
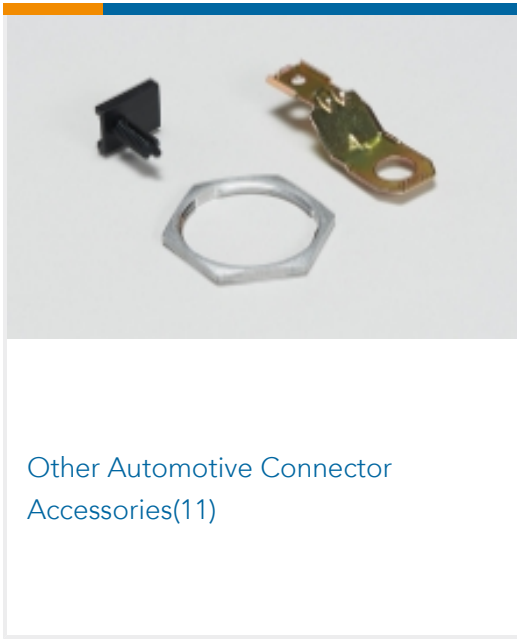


TE Part # CAT-H3910-RC1748  
Receptacle Dust Caps — DEUTSCH HD10



|                                                                                                                                                             |                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-J67-DSCC16<br/>DEUTSCH Size 16 Crimp Contacts</p>        |  <p>TE Part # CAT-D48-SP729<br/>DEUTSCH Sealing Plugs</p>     |  <p>TE Part # HD10-3-GKT<br/>GASKET, 3SZ, BLK, HD10</p>                   |  <p>TE Part # 2300908-1<br/>0460-003-16329, PIN, SOLID, 20-24AWG, AU</p>      |
|  <p>TE Part # HD10-3BT<br/>BOOT, 3P, PLG/REC, ST, GRY</p>                 |  <p>TE Part # CAT-H3910-CH8172<br/>DEUTSCH HD10 Housings</p> |  <p>TE Part # 0411-291-1405<br/>EXT TOOL, SIZE 16, 14-16 AWG, N, GRN</p> |  <p>TE Part # 0411-204-1605<br/>EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU</p> |
|  <p>TE Part # CAT-D48-SFT273<br/>DEUTSCH Stamped and Formed Contacts</p> |                                                                                                                                                 |                                                                                                                                                              |                                                                                                                                                                  |

Also in the Series | **DEUTSCH HD**

|                                                                                                                                        |                                                                                                                                  |                                                                                                                                         |                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Automotive Connector Caps &amp; Covers (32)</p> |  <p>Automotive Housings(768)</p>             |  <p>Connector Backshells(29)</p>                   |  <p>Connector Seals &amp; Cavity Plugs(10)</p> |
|  <p>Connector Strain Relief(5)</p>                  |  <p>Insertion &amp; Extraction Tools(11)</p> |  <p>Other Automotive Connector Accessories(11)</p> |  <p>PCB Headers &amp; Receptacles(1)</p>       |

Also in the Series | **DEUTSCH HD10**



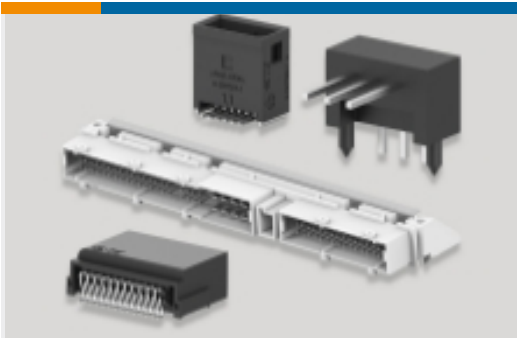
Automotive Connector Caps & Covers (17)



Automotive Housings(53)



Connector Backshells(17)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #M902-2041  
DEUTSCH HD10 Backshells



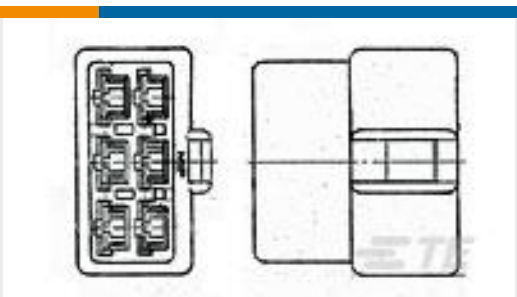
TE Part #HD10-5-16P  
DEUTSCH HD10 Housings



TE Part #HDC16-3  
Receptacle Dust Caps — DEUTSCH HD10



TE Part #HD10-3-GKT  
GASKET, 3SZ, BLK, HD10



TE Part #174203-1  
250 FASTON WITH LANCE CAP 6P



TE Part #3-1355136-7  
MQS BU-GEH ASSY 94P

Documents

Product Drawings

REC, 3P, GRY, N, THRD, FLANGE, 16

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD10-3-96P\_99\_c-hd10-3-96p-99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD10-3-96P\_99\_c-hd10-3-96p-99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD10-3-96P\_99\_c-hd10-3-96p-99.3d\_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

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Product Specifications

Engineering Report

English

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Agency Approvals

UL Report

English