

HDP24-24-7PN-C038

✓ ACTIVE

DEUTSCH | [DEUTSCH HDP](#), [DEUTSCH HD](#)

TE Internal #: HDP24-24-7PN-C038

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 7  
Connector & Housing Type: **Housing for Male Terminals**  
Mating Pin Diameter: 1.6 mm, 5.7 mm [ .063 in, .225 in ]  
Connector System: **Wire-to-Panel**  
Sealable: **Yes**

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Product Type Features

|                                   |                            |
|-----------------------------------|----------------------------|
| Mixed & Hybrid Connector          | Yes                        |
| Connector Shape                   | Circular                   |
| Connector & Housing Type          | Housing for Male Terminals |
| Connector System                  | Wire-to-Panel              |
| Sealable                          | Yes                        |
| Primary Locking Feature           | Contact Retainer           |
| Connector & Contact Terminates To | Wire & Cable               |

Configuration Features

|                       |        |
|-----------------------|--------|
| Blank Cavity Position | 0      |
| Connector Seal Code   | N Seal |
| Number of Positions   | 7      |

Electrical Characteristics

|                              |                  |
|------------------------------|------------------|
| Operating Voltage            | 250 VDC          |
| 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, Size 4                  |
| Contact Type                 | Pin                              |
| Mating Pin Diameter          | 1.6 mm, 5.7 mm[.063 in][.225 in] |
| Contact Current Rating (Max) | 13 A, 100 A                      |

Mechanical Attachment

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

Housing Features

|                  |          |
|------------------|----------|
| Housing Material | PA 66 GF |
|------------------|----------|

Dimensions

|                                      |                             |
|--------------------------------------|-----------------------------|
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 in] |
| Product Width                        | 47.6 mm[1.87 in]            |
| Product Length                       | 50.8 mm[2 in]               |
| Connector Height                     | 41.9 mm[1.65 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

|                        |          |
|------------------------|----------|
| IP Rating              | IP67     |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

|                    |      |
|--------------------|------|
| Packaging Quantity | 150  |
| Packaging Method   | Tray |

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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>SVHC > Threshold:<br>Dodecamethylcyclohexasiloxane (D6) (.5% in 27520038511)<br>Decamethylcyclopentasiloxane (D5) (.5% in 27520038511)<br>Octamethylcyclotetrasiloxane (D4) (.5% in 27520038511)<br><b>Article Safe Usage Statements:</b><br>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 > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Solder Process Capability                     | Not reviewed for solder process capability                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

Product Compliance Disclaimer

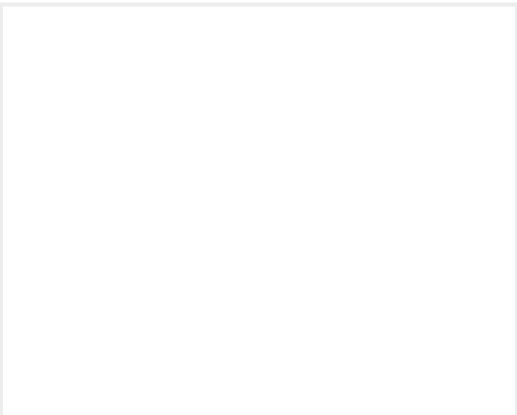
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

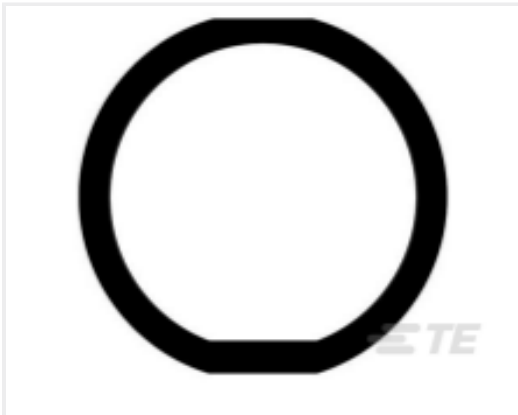


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TE Part # 2415-001-2405  
PROTECT CVR, 24SZ, REC, RED, HDP



TE Part # 16-04477  
GASKET, 24SZ, BLK, HD30



TE Part # 24-D-PUNCH  
D-HOLE PUNCH, SIZE 24



TE Part # HD30-24BT-BK  
BOOT, 24SZ, ST, BLK



TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts



TE Part # 0411-291-1405  
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # 0411-027-0405  
EXT TOOL, SIZE 4, 4 AWG, N, BLK



TE Part # HD30-24BT-90-BK  
BOOT, 24SZ, RA, BLK



TE Part # HD30-24BT  
BOOT, 24SZ, ST, GRY



TE Part # 62036-40  
62036 HDP24 FLANGE-SEAL silicone 60shore



TE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed Contacts



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # 0411-204-1605  
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU



TE Part # WHDS-24-1  
STRAIN RELIEF, HD30, 24SZ, ST



TE Part # WHDS-24-2  
STRAIN RELIEF, HD30, 24SZ, RA



TE Part # HDP26-24-7SN-C038  
PLG, 7P, BLK, N, 4AWG, 4/16, S

Also in the Series | **DEUTSCH HD**

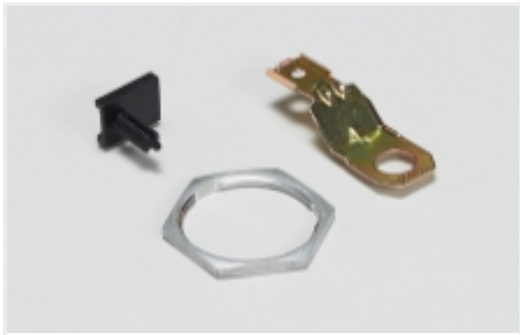




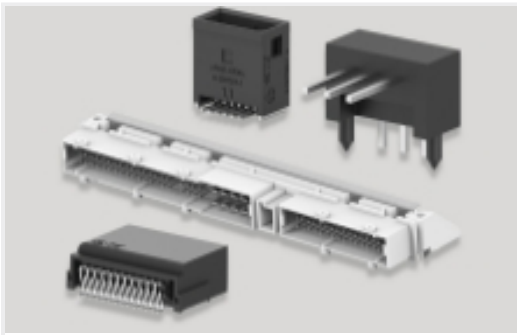
Automotive Connector Caps & Covers  
(4)



Automotive Housings(357)



Other Automotive Connector  
Accessories(6)



PCB Headers & Receptacles(1)

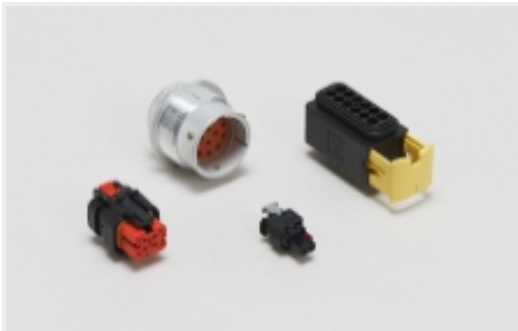


Rectangular Power Connectors(1)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers  
(4)



Automotive Housings(357)



Connector Backshells(10)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(6)

Customers Also Bought

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TE Part #DTCE06-1-12S-E003  
DTCE PLUG ASM



TE Part #CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part #2-33460-3  
TERMINAL,SOLIS R 8 10



TE Part #1-1337434-0  
BNC RM BHJ Hex 50Ohm Silver Pltd  
RG58C/U



TE Part #2411-001-2405  
PANEL NUT, SIZE 24, HDP



TE Part #HDP24-24-19SE-L017  
REC, 19P, BLK, E, RNG, 12/16, S

TE Part #1438231-5  
103665B

TE Part #1438231-2  
103662B

Documents

Product Drawings

REC, 7P, BLK, N, 4AWG, 4/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-7PN-C038\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-7PN-C038\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HDP24-24-7PN-C038\_C.3d\_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

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Product Specifications

Application Specification

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[Agency Approvals](#)

[UL Report](#)

English