

HDP24-24-47PE-L015

✓ ACTIVE

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

TE Internal #: HDP24-24-47PE-L015

Hybrid, Housing for Male Terminals, Wire-to-Wire, 47 Position,
Sealable, Black, Wire & Cable, 7.5A / 13A Contact Current Rating
(Max), Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HDP20 HOUSINGS



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

Mating Pin Diameter: **1.02 mm, 1.59 mm [.04 in, .063 in]**

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

Number of Positions: **47**

Sealable: **Yes**

[All DEUTSCH HDP20 HOUSINGS \(282\)](#)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	47

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	1.02 mm, 1.59 mm[.04 in][.063 in]
Contact Current Rating (Max)	7.5 A, 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	50.8 mm[2 in]
Product Length	58.67 mm[2.31 in]
Product Height	47.63 mm[1.875 in]
Accepts Wire Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm[.04 – .083 in][.053 – .103 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	IP67
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Method	Box
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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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Octamethylcyclotetrasiloxane (D4) (.4% 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 > 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-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-H396-RC8382
DEUTSCH HDP20 RECEPTACLE PROTECTIVE CAPS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 HOUSINGS



TE Part # 0411-240-2005
EXT TOOL, SIZE 20, 16-22 AWG, N, RED

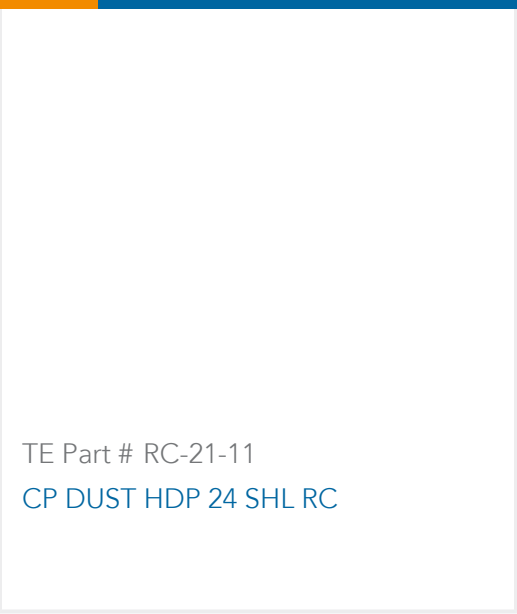


TE Part # CAT-H396-B128
DEUTSCH HDP20 BACKSHELLS



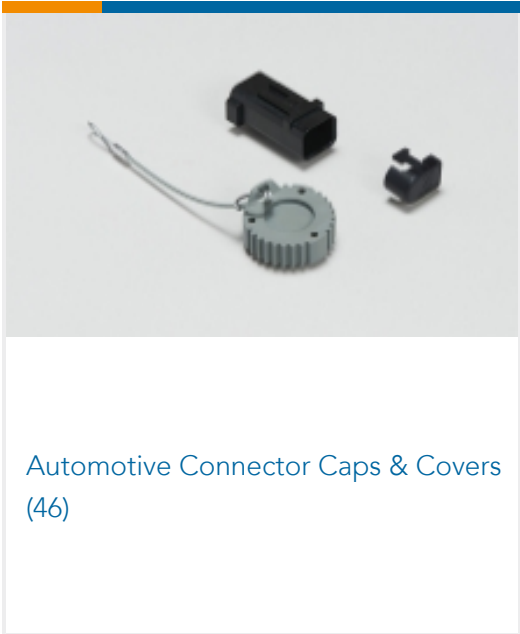
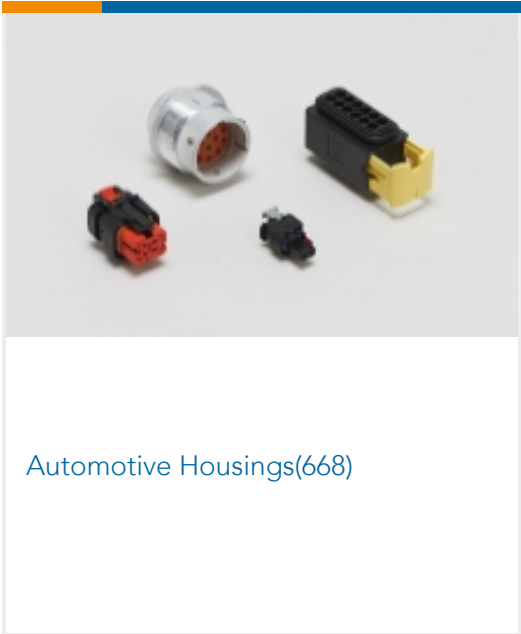
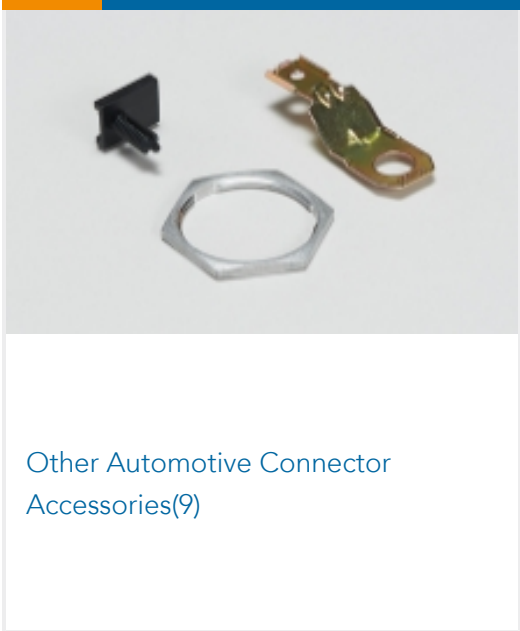
TE Part # CAT-H3910-B128
DEUTSCH HD10 BACKSHELLS



 TE Part # HD30-24BT-90-BK BOOT, 24SZ, RA, BLK	 TE Part # HD30-24BT-BK BOOT, 24SZ, ST, BLK	 TE Part # HD30-24BT BOOT, 24SZ, ST, GRY	 TE Part # CAT-H3930-B128 DEUTSCH HD30 BACKSHELLS
 TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU	 TE Part # CAT-H3930-M8649 DEUTSCH HD30 MOUNTING HARDWARE	 TE Part # 16-04477 GASKET, 24SZ, BLK, HD30	 TE Part # RC-21-11 CP DUST HDP 24 SHL RC

Also in the Series

DEUTSCH HD

 Automotive Connector Caps & Covers (46)	 Automotive Housings(668)	 Automotive Seals & Cavity Plugs(10)	 Insertion & Extraction Tools(12)
 Other Automotive Connector Accessories(9)			

Also in the Series

DEUTSCH HDP



Automotive Connector Caps & Covers
(12)

Automotive Housings(289)

Insertion & Extraction Tools(12)

Other Automotive Connector
Accessories(4)

Customers Also Bought

TE Part #HDP24-24-33SN-L015
DEUTSCH HDP20 HOUSINGS

TE Part #1011-232-0305
DEUTSCH DT BACKSHELLS

TE Part #DTM1312PC12PDGR01
DEUTSCH DTM HEADERS

TE Part #5-456405-2
CRIMPER, WIRE .080 F PREMIUM

TE Part #HDP24-24-19SE-L015
REC, 19P, BLK, E, THD, 12/16, S

TE Part #HC5732
LEAD CONNECTOR 35mm +VE

TE Part #HC5731
LEAD CONN. 25mm -VE

TE Part #HC5840D
INTEGRAL BATT. POST. DOUBLE
TAPER.

TE Part #5-240693-4
ANVIL

Documents

Product Drawings
REC, 47P, BLK, E, THD, 16/20, P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_HDP24-24-47PE-L015_B.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_HDP24-24-47PE-L015_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-24-47PE-L015_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English