

HDP24-24-16PE-L024

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: 2293822-1

16 Position Housing, Receptacle, Wire-to-Wire, 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: 16
Connector & Housing Type: Receptacle
Mating Pin Diameter: 2.4 mm [.094 in]
Connector System: Wire-to-Wire
Sealable: Yes

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

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Receptacle
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	16

Electrical Characteristics

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Operating Voltage	250 VDC
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Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 12
Contact Type	Pin
Mating Pin Diameter	2.4 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA 66 GF
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Dimensions

Compatible Insulation Diameter Range	2.9 – 4.5 mm[.114 – .177 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	41.5 mm[1.6 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

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Packaging Quantity	30
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) Candidate List Declared Against: JAN 2025 (247) 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

HDP24-24-16PE-L024

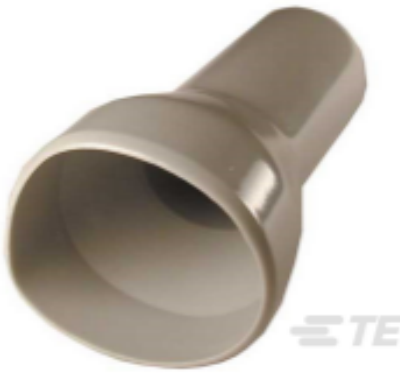
16 Position Housing, Receptacle, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



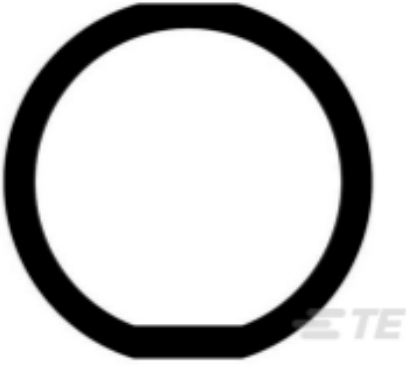
TE Part # HD30-24BT-90-BK
BOOT, 24SZ, RA, BLK



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



TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI



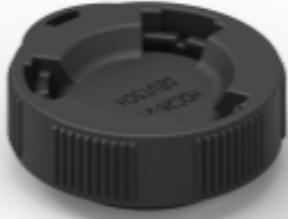
TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



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



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



TE Part # CAT-H396-RC8382
Receptacle Protective Caps —
DEUTSCH HDP20



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



TE Part # 1060-12-0244
PIN, SF, SIZE 12, 10, AU/SN



TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # 0411-337-1205
EXT TOOL, SIZE 12, 12-14 AWG, E,
ORG



TE Part # Y2428-024-24050000
BKSHL, 24SZ, BLK, ST, L024, HDP

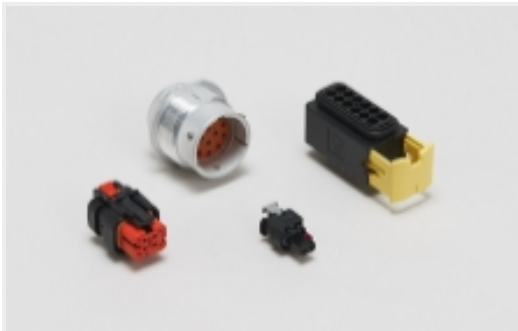


TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN

Also in the Series | **DEUTSCH HD**



Automotive Headers(1)



Automotive Housings(357)



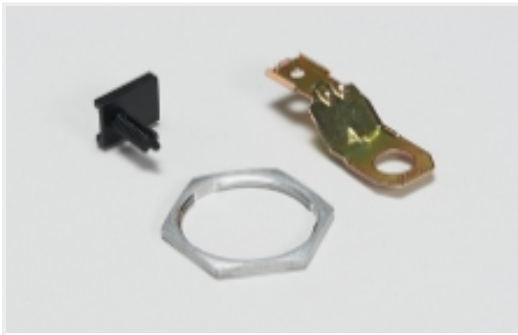
Connector Seals & Cavity Plugs(1)



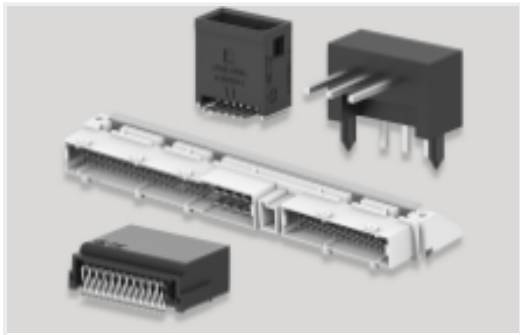
Connector Strain Relief(5)



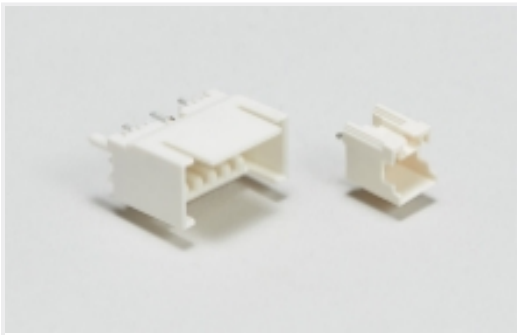
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

Also in the Series

DEUTSCH HDP



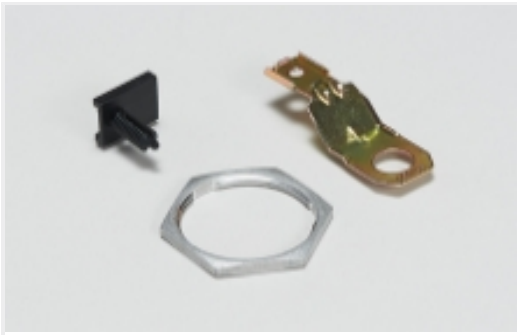
Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Connector Seals & Cavity Plugs(1)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



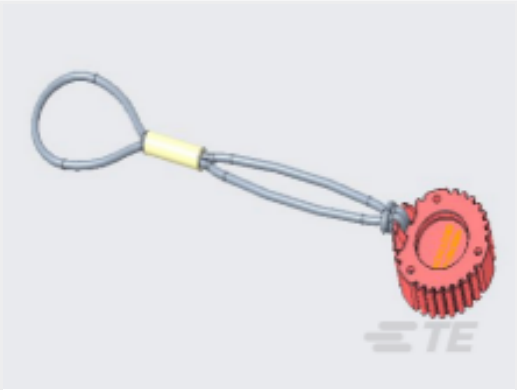
TE Part #CAT-J41-DDPC
DEUTSCH DT Plug Connectors



TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings



TE Part #DT04-08PC
REC, 8P, GRN, N, C



TE Part #HDC9-JDL082397
DUST CAP, 9P, REC, BLK, LANYARD, HD10

Documents

Product Drawings

HDP24-24-16PE-L024, REC, 16P, E,THD,12,P

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2293822-1_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2293822-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2293822-1_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English