

HDP24-24-21PE-L024

✓ ACTIVE

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

TE Internal #: YHDP24-24-21PEL024

21 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 21

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

Mating Pin Diameter: 1.59 mm, 2.39 mm [.063 in, .094 in]

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

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-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	21



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 12, Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm, 2.39 mm[.063 in][.094 in]
Contact Current Rating (Max)	13 A, 25 A

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
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Dimensions

Compatible Insulation Diameter Range	1.35 – 3.05 mm, 2.46 – 4.01 mm[.097 – .158 in][.053 – .12 in]
Product Width	50.8 mm[2 in]
Product Length	41.53 mm[1.635 in]
Connector Height	47.63 mm[1.875 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
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UL Flammability Rating

20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	1
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: 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

HDP24-24-21PE-L024

21 Position Housing, Housing for Male Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid



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



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



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



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # 0411-336-1605
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU



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



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



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



TE Part # YHDP26-24-21SEL024
PLG, 21P, BLK, E, WTHD, 12/16, S



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



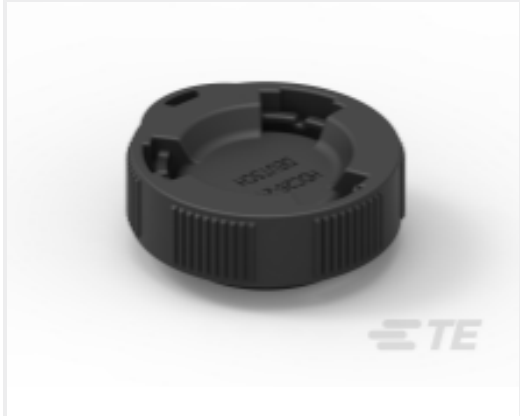
TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



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 # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



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



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

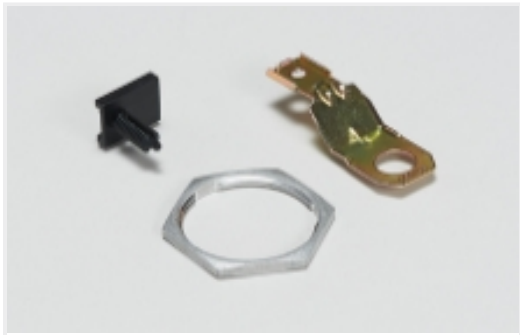
Also in the Series | **DEUTSCH HD**



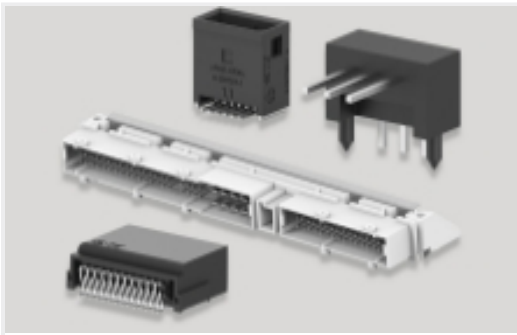
Automotive Connector Caps & Covers
(4)



Automotive Housings(357)



Other Automotive Connector
Accessories(6)



PCB Headers & Receptacles(1)

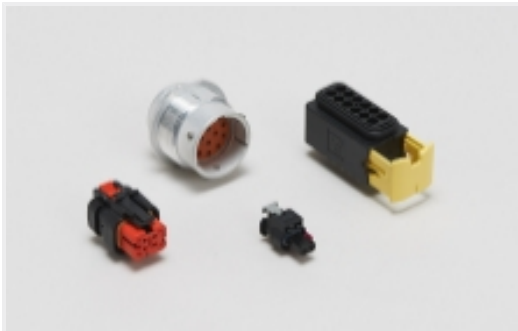


Rectangular Power Connectors(1)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers
(4)



Automotive Housings(357)



Connector Seals & Cavity Plugs(1)



Other Automotive Connector
Accessories(6)

Customers Also Bought



TE Part #2292802-3
AS16,PLUG BACKSHELL KIT,ST,12P,
NC16



TE Part #DT04-12PA-B016
REC, 12P, GRY, N, ENH KEY, A



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #9-2367341-1
2POS,CSS SIZE 20,PIN OUTER HSG
ASSY

Documents

Product Drawings
REC, 21P, BLK, E, WTHD, 12/16, P

English

CAD Files
3D PDF



3D

Customer View Model

[ENG_CVM_CVM_YHDP24-24-21PEL024_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-24-21PEL024_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-24-21PEL024_D.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

CONNECTOR SELECTOR

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English