

HDP24-24-18PE-L017

✓ ACTIVE

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

TE Internal #: HDP24-24-18PE-L017

18 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: 18
Connector & Housing Type: Housing for Male Terminals
Mating Pin Diameter: 1.6 mm, 2.4 mm, 3.6 mm [.063 in, .142 in, .094 in]
Connector System: Wire-to-Panel
Sealable: Yes

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

Features

Housing Features

Housing Material	PA 66 GF
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Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm, 3.6 – 5.2 mm[.055 – .15 in][.14 – .204 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	45.8 mm[1.8 in]

Packaging Features

Packaging Quantity	30
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Packaging Method	Tray
Mechanical Attachment	
Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount
Other	
Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Electrical Characteristics	
Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Contact Features	
Contact Size	Size 8, Size 16, Size 12
Contact Type	Pin
Mating Pin Diameter	1.6 mm, 2.4 mm, 3.6 mm[.063 in][.142 in][.094 in]
Contact Current Rating (Max)	25 A, 13 A, 60 A
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 Modification	Ring Adapter
Connector Seal Code	E Seal
Number of Positions	18

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

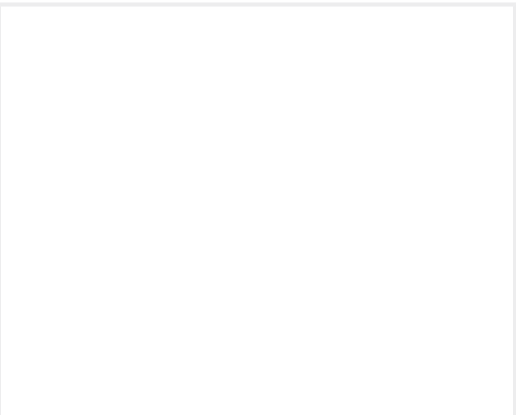
Compatible Parts

HDP24-24-18PE-L017

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



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



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



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



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



TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN



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
BOOT, 24SZ, ST, GRY



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



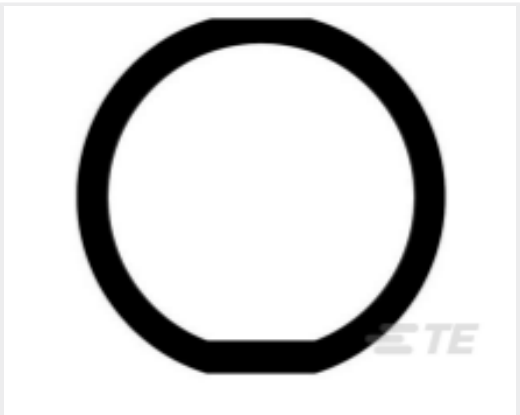
TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI



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



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



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



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

Also in the Series | **DEUTSCH HD**



Automotive Headers(1)



Automotive Housings(357)



Connector Backshells(10)



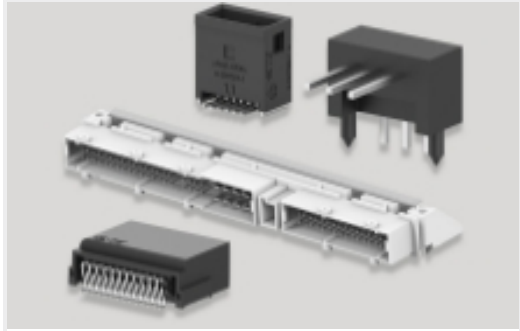
Connector Strain Relief(5)



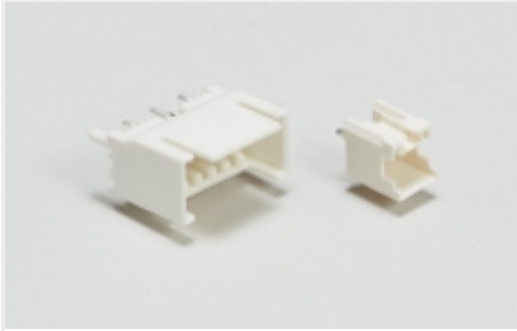
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)



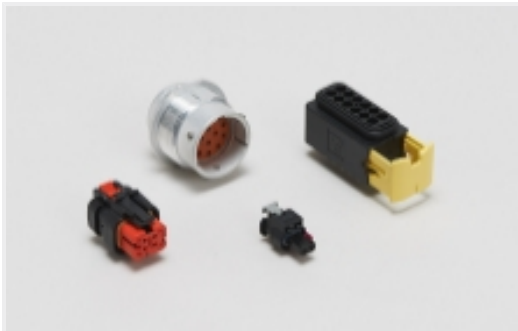
Wire-to-Board Headers & Receptacles (1)

Also in the Series

DEUTSCH HDP



Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Connector Backshells(10)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #DRC14-40PA
REC, 40P, BLK, N, A

TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings

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

TE Part #HD34-24-31PT-B019
REC, 31P, AL, T, CUSTOM MOUNT, 16, P

TE Part #2302493-3
AS16, PLUG BACKSHELL KIT, RA, 06P, NC12

TE Part #2371884-4
23POS, AMPSEAL, SOC HSG ASSY, SLD, COD 4

TE Part #2310361-1
1062-16-0122

Documents

Product Drawings

REC, 18P, BLK, E, RNG, 8/12/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L017_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L017_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-18PE-L017_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications



Application Specification

English

Agency Approvals

UL Report

English