

HDP24-18-20SN

✓ ACTIVE

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

TE Internal #: HDP24-18-20SN

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 20
Connector & Housing Type: **Housing for Female Terminals**
Mating Pin Diameter: 1 mm, 1.6 mm [.04 in, .063 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 Female Terminals
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	N Seal
Number of Positions	20

Electrical Characteristics

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Operating Voltage	250 VDC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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Body Features

Cable Exit Angle	180°
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Primary Product Color	Black
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Contact Features

Contact Size	Size 16, Size 20
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Contact Type	Socket
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Mating Pin Diameter	1 mm, 1.6 mm[.04 in][.063 in]
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Contact Current Rating (Max)	7.5 A, 13 A
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Mechanical Attachment

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

Housing Material	PA 66 GF
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Dimensions

Compatible Insulation Diameter Range	1.9 – 3.2 mm, 1.4 – 3.8 mm[.055 – .15 in][.075 – .125 in]
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Product Width	41.3 mm[1.62 in]
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Product Length	44.4 mm[1.75 in]
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Connector Height	41.9 mm[1.65 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

IP Rating	IP67
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519454042) Decamethylcyclopentasiloxane (D5) (.5% in 27519454042) Octamethylcyclotetrasiloxane (D4) (.5% in 27519454042) 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

HDP24-18-20SN

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



TE Part # 1062-20-0122
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # 1062-20-0144
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0244
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 18-D-PUNCH
D-HOLE PUNCH, SIZE 18



TE Part # 1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI



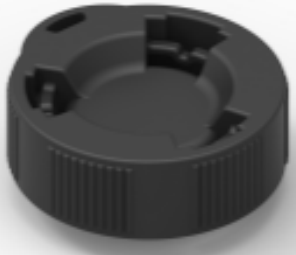
TE Part # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI



TE Part # 1062-20-0344
SOC, SF, SIZE 20, 16-22, SLEVLSS, AU /SN



TE Part # HD30-18BT-90-BK
BOOT, 18SZ, RA, BLK



TE Part # HDC26-18
DUST CAP, 18SZ, REC, BLK, HDP



TE Part # 1062-20-0644
SOC, SF, SIZE 20, 14-16, AU/SN



TE Part # 1062-20-0677
SOC, SF, SIZE 20, 14-16, SN/SN



TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN



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



TE Part # 1062-20-0377
SOC, SF, SIZE 20, 16-22, SLEVLSS, SN /SN



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



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



TE Part # 16-04978
GASKET, 18SZ, BLK, HD30



TE Part # HD30-18BT-BK
BOOT, 18SZ, ST, BLK



TE Part # CAT-H396-M8649
Lockwashers and Panel Nuts for Deutsch HDP20

Also in the Series | **DEUTSCH HD**

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Automotive Headers(1)



Automotive Housings(357)



Connector Seals & Cavity Plugs(1)



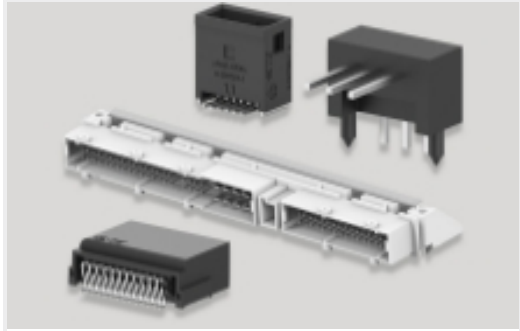
Connector Strain Relief(5)



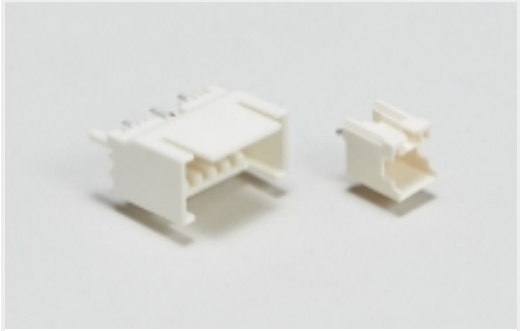
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)

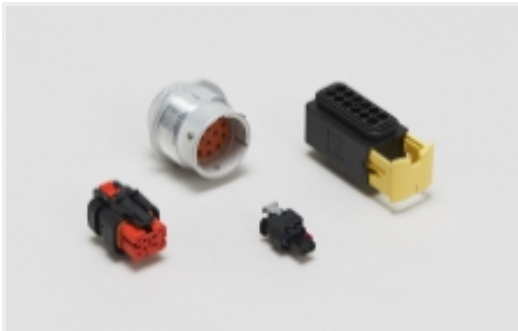


Wire-to-Board Headers & Receptacles (1)

Also in the Series | **DEUTSCH HDP**



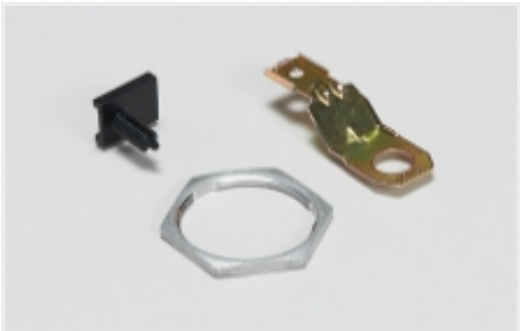
Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Connector Seals & Cavity Plugs(1)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #CAT-H396-M8649
Lockwashers and Panel Nuts for Deutsch HDP20



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #HD34-24-91PE
REC, 9P, AL, E, 8/12/16, P



TE Part #4-1609155-2
PE0S0DMXE=C7106



TE Part #3-1622796-6
YR1 0.1% 68K1



Documents

Product Drawings

REC, 20P, BLK, N, 16/20, S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-18-20SN_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-20SN_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-18-20SN_A.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

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English