

HD36-18-20SN

✓ ACTIVE

DEUTSCH | [DEUTSCH HD](#), [DEUTSCH HD30](#)

TE Internal #: HD36-18-20SN

Hybrid, Housing for Female Terminals, Wire-to-Wire, 20 Position, Sealable, Wire & Cable, 7.5A / 13A Contact Current Rating (Max), Power & Signal

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD30 HOUSINGS



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

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

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

Number of Positions: **20**

Sealable: **Yes**

[All DEUTSCH HD30 HOUSINGS \(327\)](#)

Features

Product Type Features

Connector & Housing Type	Housing for Female 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	20

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Body Material	Aluminum

Contact Features

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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	Without
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized

Dimensions

Product Width	42.97 mm[1.692 in]
Product Length	38.61 mm[1.52 in]
Product Height	42.97 mm[1.692 in]
Accepts Wire Insulation Diameter Range	1.02 – 2.41 mm, 2.54 – 3.4 mm[.04 – .095 in][.1 – .134 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
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Packaging Features

Packaging Quantity	200
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 2021 (211)
Candidate List Declared Against: JAN 2021 (211)
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

 TE Part # CAT-D48-ST273 DEUTSCH SOLID CONTACTS	 TE Part # 0411-240-2005 EXT TOOL, SIZE 20, 16-22 AWG, N, RED	 TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU	 TE Part # CAT-D48-SP729 DEUTSCH SEALING PLUGS
 TE Part # CAT-H3930-CH8172 DEUTSCH HD30 HOUSINGS	 TE Part # CAT-D48-SFT273 DEUTSCH STAMPED & FORMED CONTACTS	 TE Part # CAT-H3930-PC8382 DEUTSCH HD30 PLUG PROTECTIVE CAPS	 TE Part # 0411-291-1405 EXT TOOL, SIZE 16, 14-16 AWG, N, GRN





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



TE Part # HD30-18BT
BOOT, 18SZ, ST, GRY



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



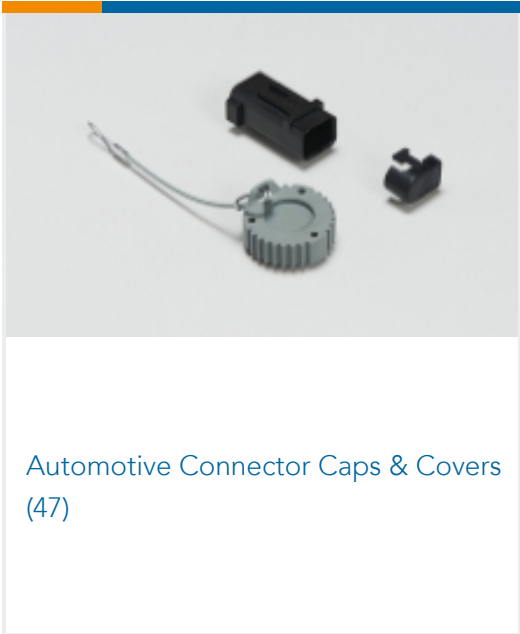
TE Part # CAT-H3930-B128
DEUTSCH HD30 BACKSHELLS



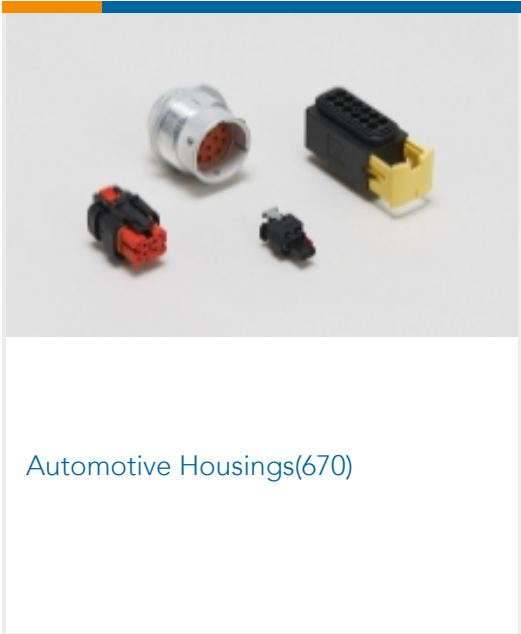
TE Part # LC-90BT-HT
BOOT, 18SZ, RA, HI TEMP, YEL

Also in the Series

DEUTSCH HD



Automotive Connector Caps & Covers
(47)



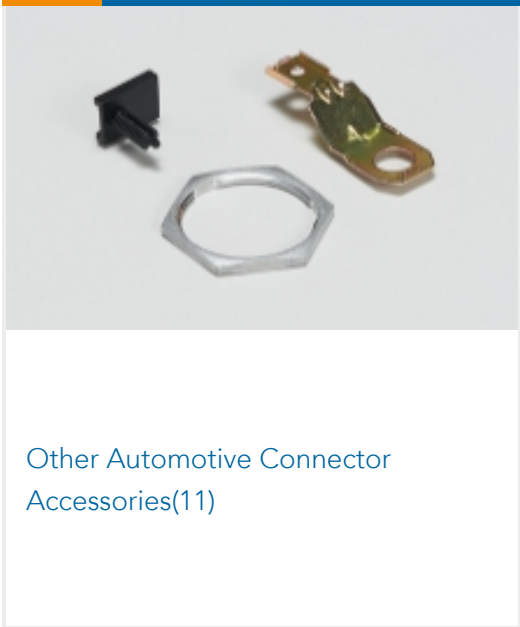
Automotive Housings(670)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(11)

Also in the Series

DEUTSCH HD30



Automotive Connector Caps & Covers
(15)



Automotive Housings(329)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(10)



Other Automotive Connector
Accessories(6)

Customers Also Bought



TE Part #DT04-08PC
DEUTSCH DT Series Housings &
Connectors



TE Part #114021-ZZ
DEUTSCH HD30 MOUNTING
HARDWARE



TE Part #Y2428-024-24050000
DEUTSCH HDP20 BACKSHELLS



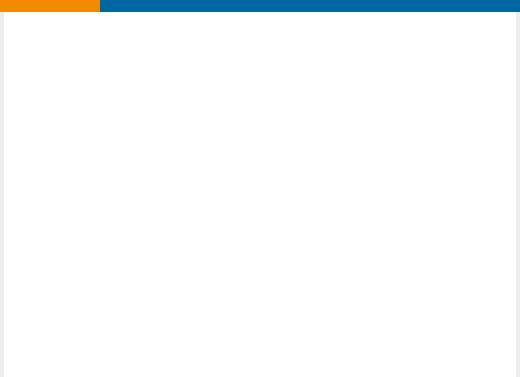
TE Part #HD30-18BT
BOOT, 18SZ, ST, GRY



TE Part #0515-018-5005
PROTECT CVR, 38/50/60P, PLG, WHT,
DRC20



TE Part #2311056-1
48POS,MCON 1.2,REC HSG,SLD



TE Part #2311056-2
48POS,MCON 1.2,REC HSG,SLD



TE Part #2311283-1
36POS,MCON 1.2,REC HSG ASSY,SLD



TE Part #2311283-2
36POS,MCON 1.2,REC HSG ASSY,SLD

Documents



Product Drawings

PLG, 20P, AL, N, 16/20, S

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD36-18-20SN_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD36-18-20SN_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD36-18-20SN_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