

HD34-18-20PN-059 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-18-20PN-059

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

Number of Positions: **20**

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

Sealable: **Yes**

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

[All DEUTSCH HD30 Housings \(358\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	N Seal
Number of Positions	20

Electrical Characteristics

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

Body Features



Cable Exit Angle	180°
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Contact Features

Contact Size	Size 16, Size 20
Contact Type	Pin
Mating Pin Diameter	1.02 mm, 1.59 mm [.04 in] [.063 in]
Contact Current Rating (Max)	7.5 A, 13 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Guide Slot
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Aluminum
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Dimensions

Connector Height	41.28 mm [1.625 in]
Product Width	44.45 mm [1.75 in]
Product Length	81.7 mm [3.217 in]
Compatible 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	100
Packaging Method	Box

Other

Serviceable	Yes
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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	<p>Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p>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.</p>
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-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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



TE Part # CAT-H3930-RC8382
Receptacle Protective Caps -
DEUTSCH HD30



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



TE Part # 1060-20-0244
PIN, SF, SIZE 20, 16-22, AU/SN



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



TE Part # CAT-H3930-M8649
Mounting Hardware for DEUTSCH
HD30 Connectors



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



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 # 1060-20-0622
PIN, SF, SIZE 20, 14-16, NI/NI



TE Part # 1060-20-0144
PIN, SF, SIZE 20, 16-22, AU/SN



TE Part # 1060-20-0222
PIN, SF, SIZE 20, 16-22, NI/NI



TE Part # 1060-20-0122
PIN, SF, SIZE 20, 16-22, NI/NI



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



TE Part # 1060-20-0177
PIN, SF, SIZE 20, 16-22, SN/SN



TE Part # 1060-20-0277
PIN, SF, SIZE 20, 16-22, SN/SN

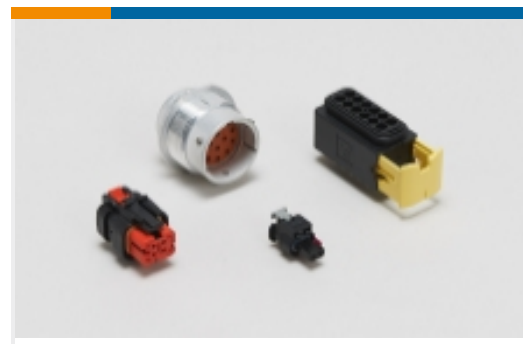


TE Part # 16-04978
GASKET, 18SZ, BLK, HD30

Also in the Series | **DEUTSCH HD**



Automotive Connector Caps & Covers (32)



Automotive Housings(742)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



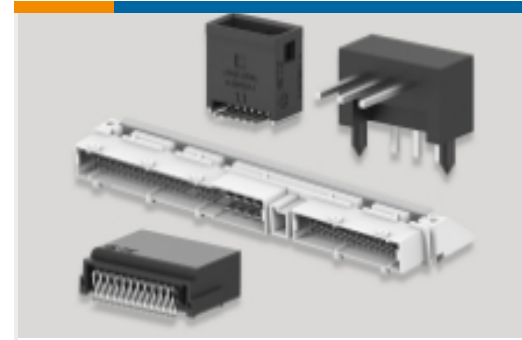
Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (14)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)

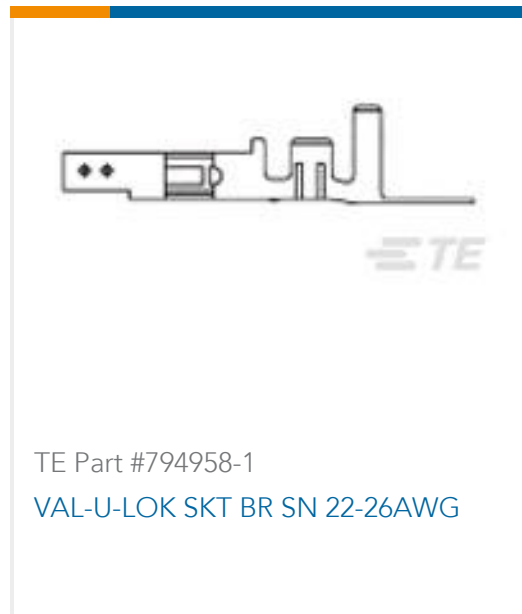


Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

Customers Also Bought



Documents

Product Drawings

[REC, 20P, AL, N, CBLCLMP BT, DRAIN, 16/20, P, MC](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_HD34-18-20PN-059_99.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_HD34-18-20PN-059_99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-18-20PN-059_99.3d_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

[Engineering Report](#)

English

