

HD36-24-31PT

✓ ACTIVE

DEUTSCH | DEUTSCH HD30, DEUTSCH HD

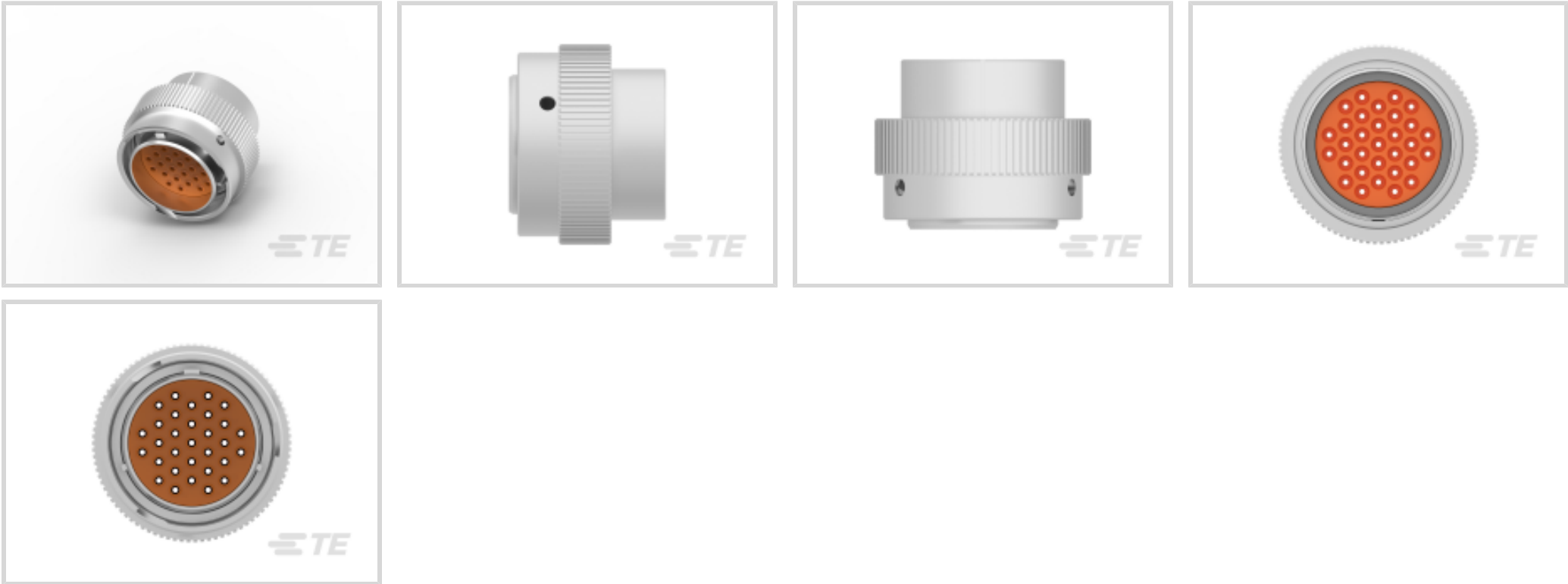
TE Internal #: HD36-24-31PT

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Number of Positions: 31

Connector & Housing Type: Housing for Male Terminals

Mating Pin Diameter: 1.6 mm [.063 in]

Connector System: Wire-to-Wire

Sealable: Yes

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

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Housing for Male 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	T Seal
Number of Positions	31

Electrical Characteristics

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

Cable Exit Angle	180°
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Contact Features

Contact Size	Size 16
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Contact Type	Pin
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Mating Pin Diameter	1.6 mm[.063 in]
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Contact Current Rating (Max)	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 Slot
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

Housing Material	Aluminum Alloy
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Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm[.055 – .15 in]
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Product Width	49.3 mm[1.94 in]
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Product Length	49.3 mm[1.94 in]
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Connector Height	39.1 mm[1.54 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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Packaging Features

Packaging Quantity	1
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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 27519579026) Decamethylcyclopentasiloxane (D5) (.5% in 27519579026) Octamethylcyclotetrasiloxane (D4) (.5% in 27519579026) 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



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



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



TE Part # CAT-H3930-PC8382
Plug Protective Caps - DEUTSCH HD30



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



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



TE Part # 114017-ZZ
SEALING PLUG, SIZE 12/16, WHT Contacts



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



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings




TE Part # WHDS-24-1
STRAIN RELIEF, HD30, 24SZ, ST




TE Part # WHDS-24-2
STRAIN RELIEF, HD30, 24SZ, RA

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers
(26)



Automotive Housings(768)



Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(17)

Also in the Series | **DEUTSCH HD**

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Automotive Headers(1)



Automotive Housings(768)



Connector Seals & Cavity Plugs(10)



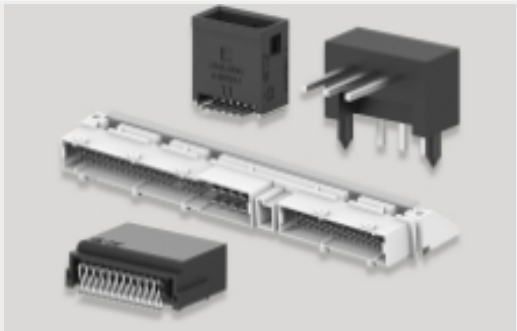
Connector Strain Relief(5)



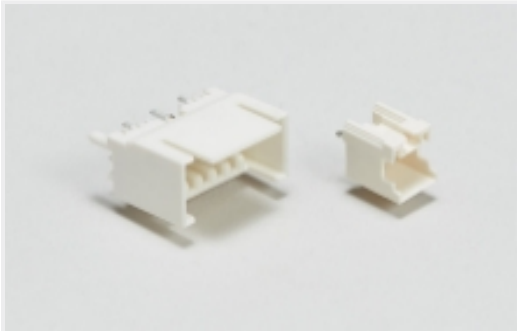
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(17)



PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD36-24-31PT_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD36-24-31PT_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD36-24-31PT_B.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