

HD34-24-31PT-059

✓ ACTIVE

DEUTSCH | DEUTSCH HD30, DEUTSCH HD

TE Internal #: HD34-24-31PT-059

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

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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-Panel

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-Panel
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	T Seal
Number of Positions	31

Electrical Characteristics

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

Body Features



Cable Exit Angle	180°
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Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	With
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot
Mating Alignment	Without
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	Aluminum Alloy
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Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm[.055 – .15 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	84.3 mm[3.32 in]

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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Industry Standards

IP Rating	IP67
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Packaging Features

Packaging Quantity	1
Packaging Method	Package

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	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

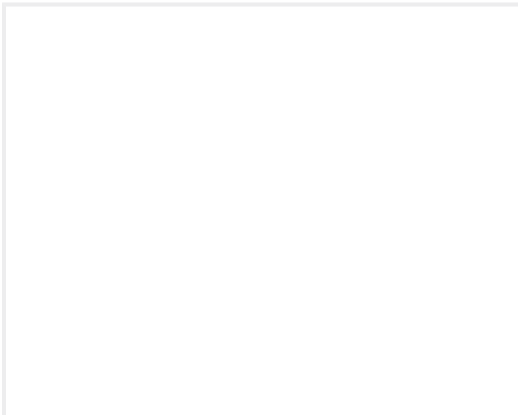
Product Compliance Disclaimer

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-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



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



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



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



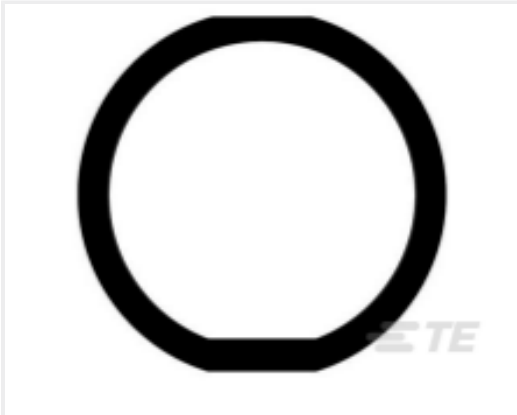
TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings



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



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



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



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (26)



Automotive Housings(768)



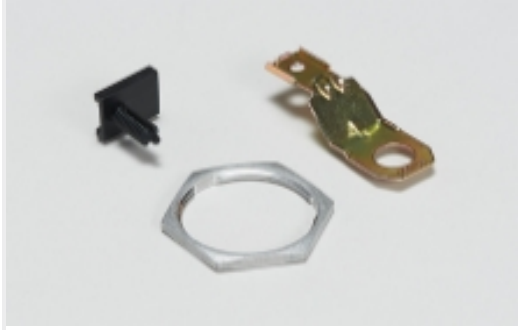
Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(17)

Also in the Series | **DEUTSCH HD**



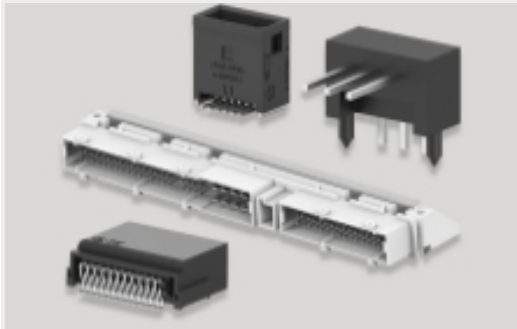
Automotive Connector Caps & Covers
(26)



Automotive Housings(768)



Other Automotive Connector
Accessories(17)



PCB Headers & Receptacles(1)



Rectangular Power Connectors(1)

Customers Also Bought



TE Part #W3S-P012
WEDGE LOCK, 3P, PLG, GRN, SL RET, DT



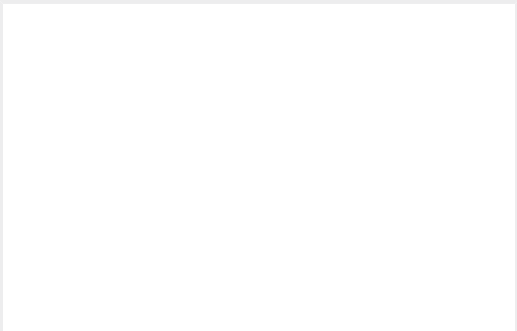
TE Part #DT04-12PC-BE02
REC, 12P, GRN, N, ENH KEY, CAP, C



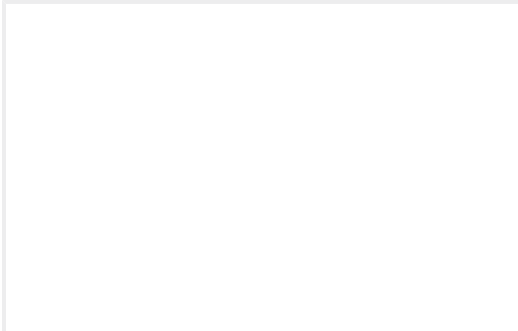
TE Part #DRC22-40PA
40P RECP ASM



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings



TE Part #2310342-1
HDP24-18-21SN



TE Part #10100945-KIT
10100945-KT

Documents

Product Drawings

REC,31P,AL,T, CBL CLMP BT, DRAIN,16,P,MC

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-059-99.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-059-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-24-31PT-059_99_c-hd34-24-31pt-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

[DEUTSCH HD30 & HDP20 CONNECTOR SERIES](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English