

HD34-24-31PT-059

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

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

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Connector System: Wire-to-Wire
Number of Positions: 31
Connector & Housing Type: Housing for Male Terminals
Sealable: Yes
Mating Pin Diameter: 1.59 mm [.063 in]

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

Features

Product Type Features

Mixed & Hybrid Connector	No
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	T Seal
Number of Positions	31

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
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Not Keyed
Mating Alignment	Without
Connector Mounting Type	Cable Mount (Free-Hanging), Panel Mount

Housing Features

Housing Material	Aluminum
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Dimensions

Connector Height	47.53 mm[1.875 in]
Product Width	50.8 mm[2 in]
Product Length	84.28 mm[3.318 in]
Compatible Insulation Diameter Range	2.23 - 2.69 mm[.088 - .106 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	80
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	Current ECHA Candidate List: JAN 2024 (240) 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) 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-H3930-CH8172
DEUTSCH HD30 Housings



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



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



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-D48-SFT273
DEUTSCH Stamped and Formed Contacts

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

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (32)



Automotive Housings(768)



Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



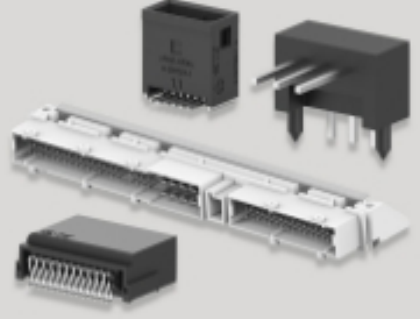
Connector Strain Relief(5)



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



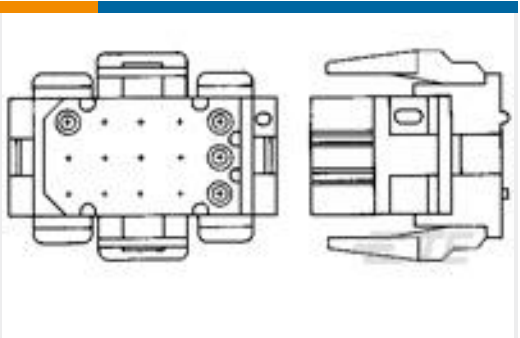
TE Part # HD34-24-29PE-059
DEUTSCH HD30 Housings



TE Part # DT04-2P-P049
REC, 2P, GRY, 4700 OHM RESISTOR, AU



TE Part # 5-1393127-5
PRD-11DJ0-24=PRD



TE Part # 1-640525-0
24P MR II PLUG HSG V0



TE Part # DT06-12SD-EP06
PLG, 12P, BRN, N, SEAL RET,ENH KEY, CAP,D

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

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Product Specifications

Engineering Report

English