

HD34-24-47PE

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-47PE

Housing for Male Terminals, Wire-to-Wire, 47 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: 47  
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 Seal Code	E Seal
Number of Positions	47

Electrical Characteristics

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Operating Voltage	250 VAC
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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, Size 20
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Contact Type	Pin
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Mating Pin Diameter	1.02 mm, 1.59 mm[.04 in][.063 in]
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Contact Current Rating (Max)	7.5 A, 13 A
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Mechanical Attachment

Terminal Position Assurance	No
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Strain Relief	Add By Accessory
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Mating Alignment Type	Guide Post
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Mating Alignment	With
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Connector Mounting Type	Panel Mount
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Housing Features

Housing Material	Aluminum
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Dimensions

Connector Height	47.53 mm[1.875 in]
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Product Width	50.8 mm[2 in]
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Product Length	41.83 mm[1.647 in]
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Compatible Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm[.04 – .083 in][.053 – .103 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 & Signal
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Industry Standards

Degree of Protection	IP67
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Packaging Features

Packaging Quantity	200
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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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in Component Part) <b>Article Safe Usage Statements:</b> 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-RC8382  
Receptacle Protective Caps -  
DEUTSCH HD30



TE Part # CAT-H3930-CH8172  
DEUTSCH HD30 Housings



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts




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



TE Part # HD30-24BT  
BOOT, 24SZ, ST, GRY



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



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



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



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



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



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



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



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 # HD30-24BT-90-BK  
BOOT, 24SZ, RA, BLK

Also in the Series | **DEUTSCH HD**





Automotive Connector Caps & Covers  
(37)



Automotive Housings(742)



Connector Backshells(29)



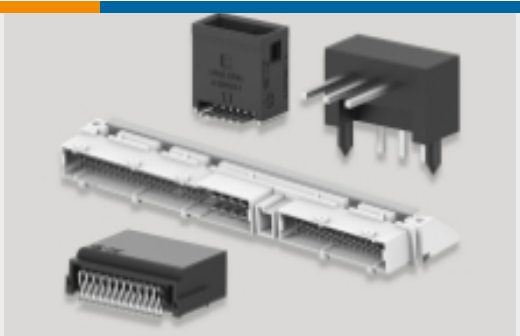
Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers  
(19)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Insertion & Extraction Tools(10)



Other Automotive Connector  
Accessories(6)

Customers Also Bought



TE Part #HD34-24-31PE  
DEUTSCH HD30 Housings

TE Part #DTHD04-1-4P-L009  
REC, 1P, BLK, N, SIZE 4, FLANGE

TE Part #3-2176416-6  
9W STD M/OX 5% 1K5

TE Part #DRC16-40S-P013  
DEUTSCH DRC Housings

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

TE Part #3-2112231-3  
46POS,AMP MCP1.5K,REC HSG,ASSY

TE Part #2415-001-2405  
PROTECT CVR, 24SZ, REC, RED, HDP

Documents

Product Drawings

REC, 47P, AL, E, 16/20, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD34-24-47PE\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD34-24-47PE\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD34-24-47PE\_B.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

Product Specifications

Application Specification

English