

HD34-24-31ST ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-31ST

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

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

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

Number of Positions: **31**

Sealable: **Yes**

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

Features

Product Type Features

Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
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

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

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	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	41.83 mm[1.647 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	200
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No



Product Compliance

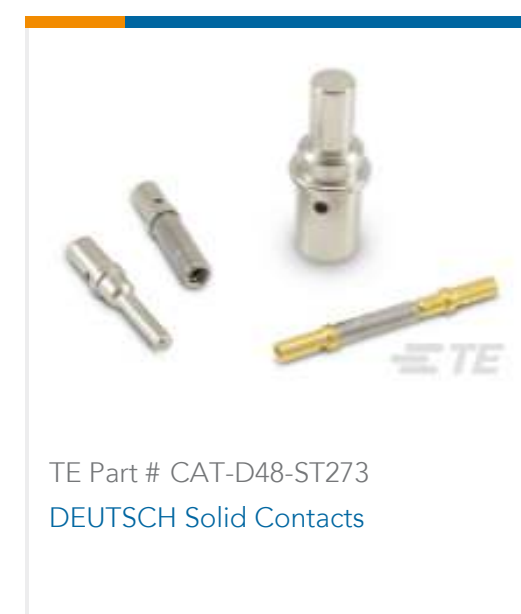
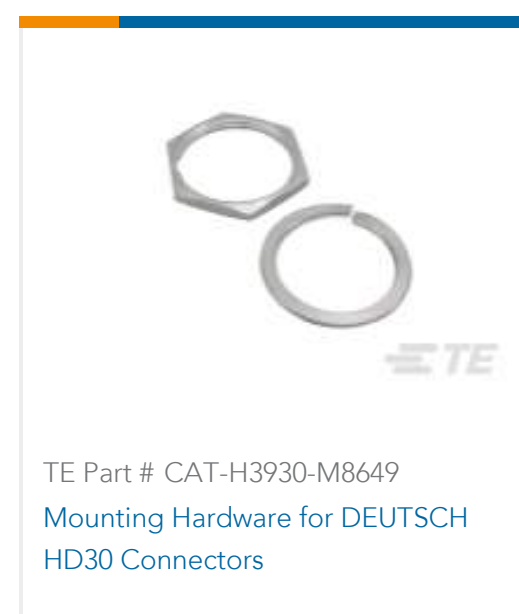
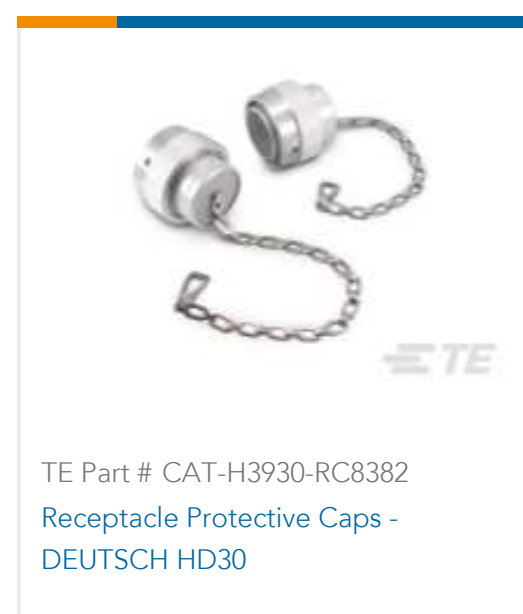
[For compliance documentation, visit the product page on TE.com>](#)

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) (.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 # HD30-24BT
BOOT, 24SZ, ST, GRY



TE Part # CAT-H3930-B128
DEUTSCH HD30 Backshells



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



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



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



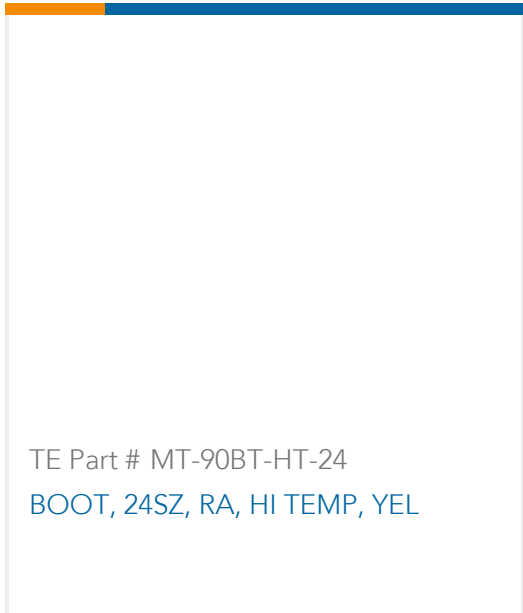
TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



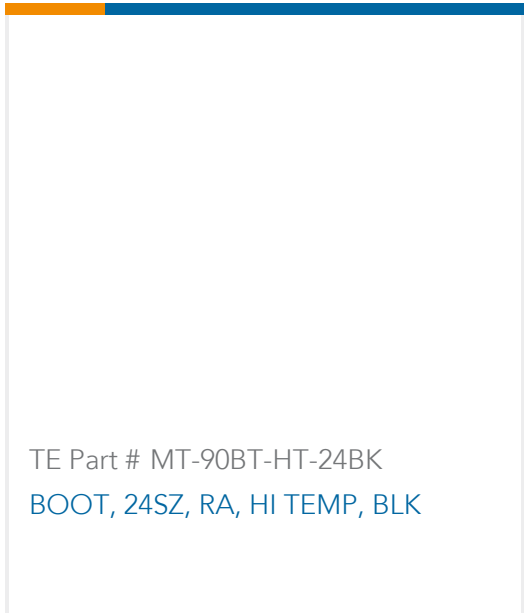
TE Part # HD30-24BT-90-BK
BOOT, 24SZ, RA, BLK



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

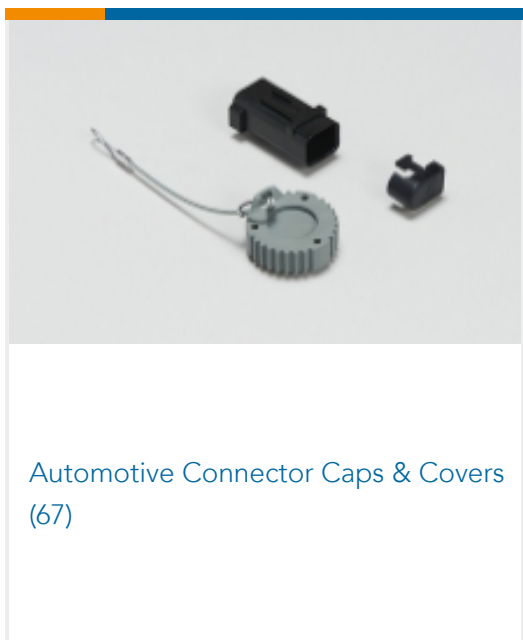


TE Part # MT-90BT-HT-24
BOOT, 24SZ, RA, HI TEMP, YEL

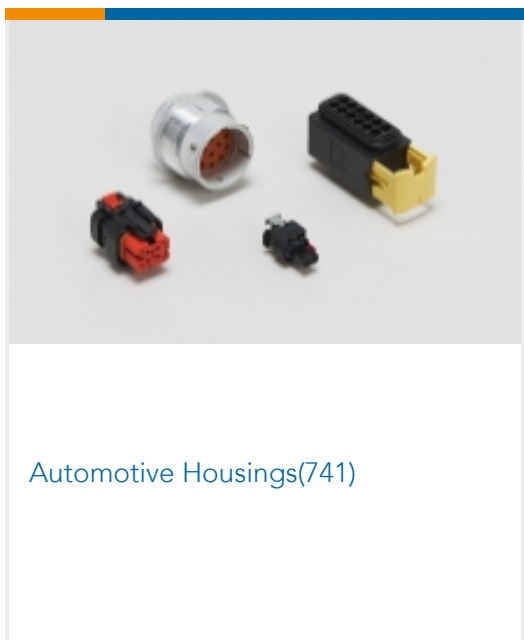


TE Part # MT-90BT-HT-24BK
BOOT, 24SZ, RA, HI TEMP, BLK

Also in the Series | **DEUTSCH HD**



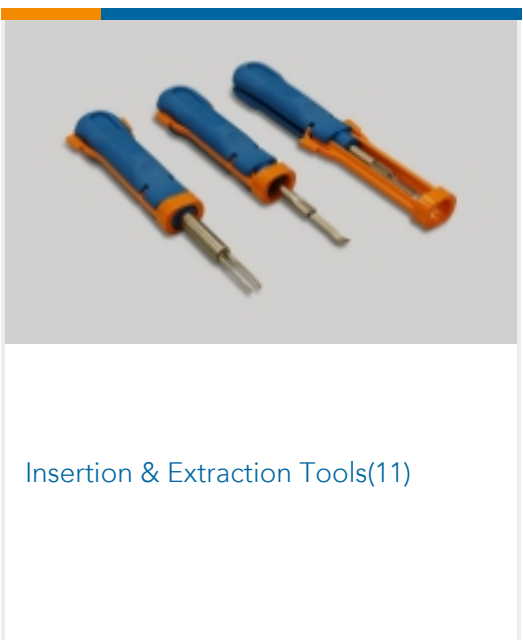
Automotive Connector Caps & Covers
(67)



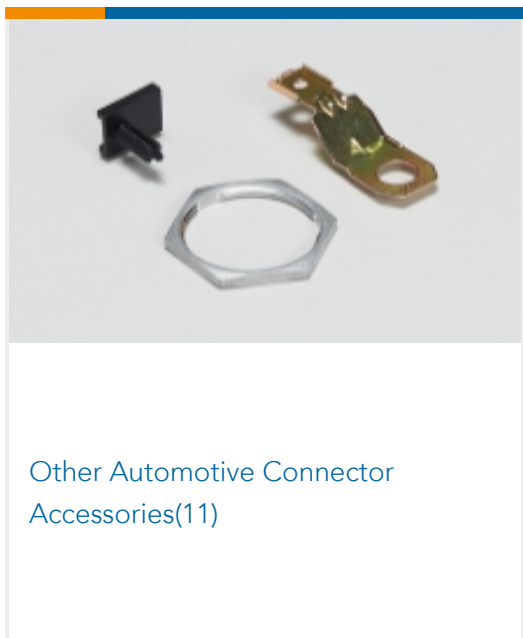
Automotive Housings(741)



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 (22)



Automotive Housings(358)



Connector Seals & Cavity Plugs(11)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

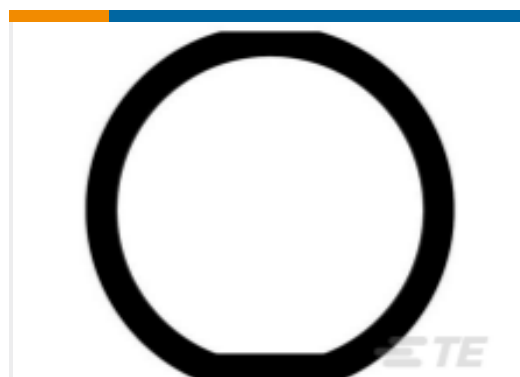
Customers Also Bought



TE Part #HD34-24-23SN
DEUTSCH HD30 Housings



TE Part #112263-90
Mounting Hardware for DEUTSCH
HD30 Connectors



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

Documents

Product Drawings

REC, 31P, AL, T, 16, S

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_HD34-24-31ST_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-24-31ST_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-24-31ST_A.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