

# HD34-24-31PT ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD34-24-31PT

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

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD30 HOUSINGS



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

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

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

Number of Positions: **31**

Sealable: **Yes**

[All DEUTSCH HD30 HOUSINGS \(357\)](#)

## Features

### Product Type Features

Connector & Housing Shape	Circular
Connector & Housing Type	Housing for Male 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°
Body Material	Aluminum



### Contact Features

Contact Size	Size 16
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

### Mechanical Attachment

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

### Dimensions

Product Width	50.8 mm[2 in]
Product Length	41.83 mm[1.647 in]
Product Height	47.53 mm[1.875 in]
Accepts Wire 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>](#)

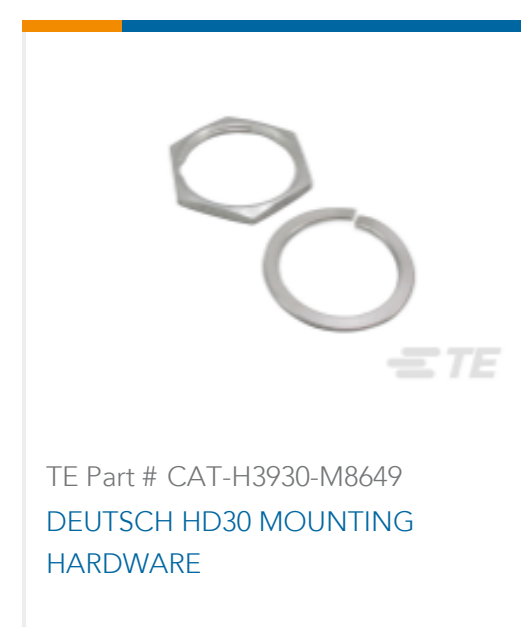


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
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-90-BK  
BOOT, 24SZ, RA, BLK



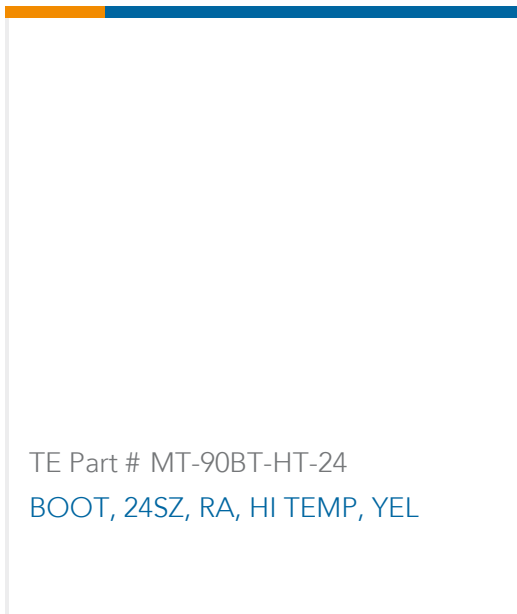
TE Part # CAT-H3930-B128  
DEUTSCH HD30 BACKSHELLS



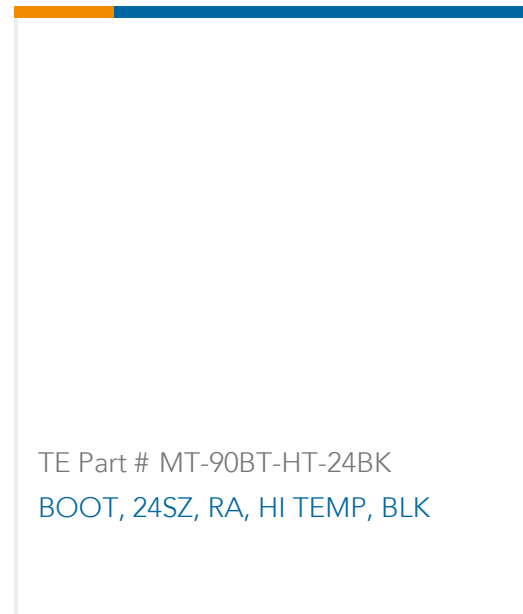
TE Part # 16-04477  
GASKET, 24SZ, BLK, HD30



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



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

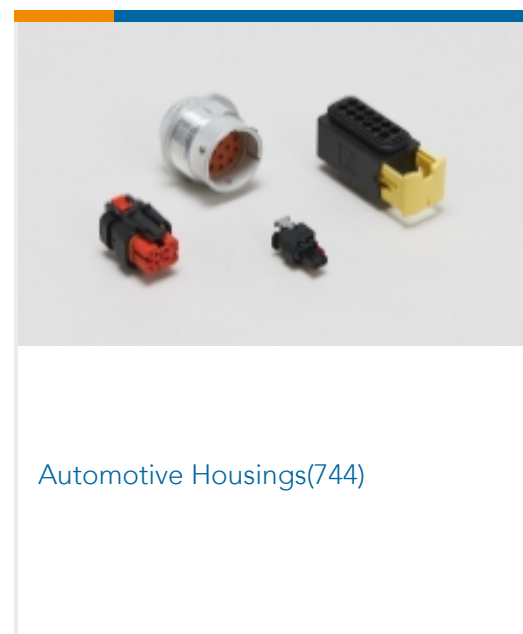


TE Part # MT-90BT-HT-24BK  
BOOT, 24SZ, RA, HI TEMP, BLK

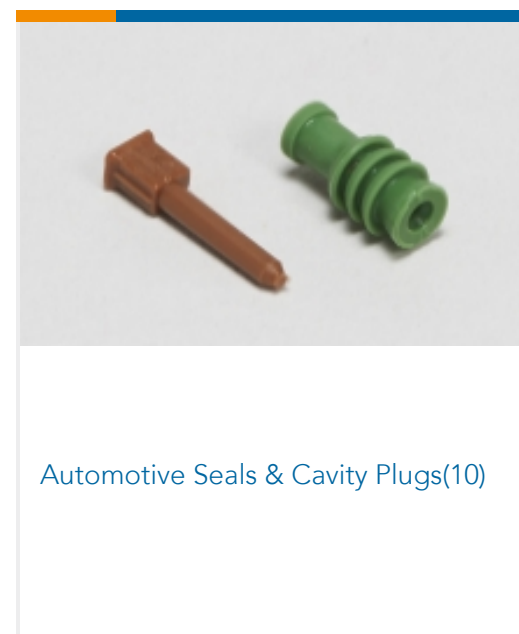
### Also in the Series | DEUTSCH HD



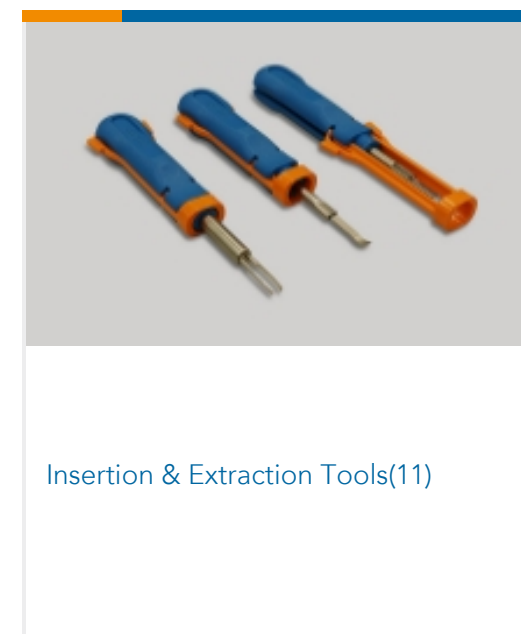
Automotive Connector Caps & Covers  
(59)



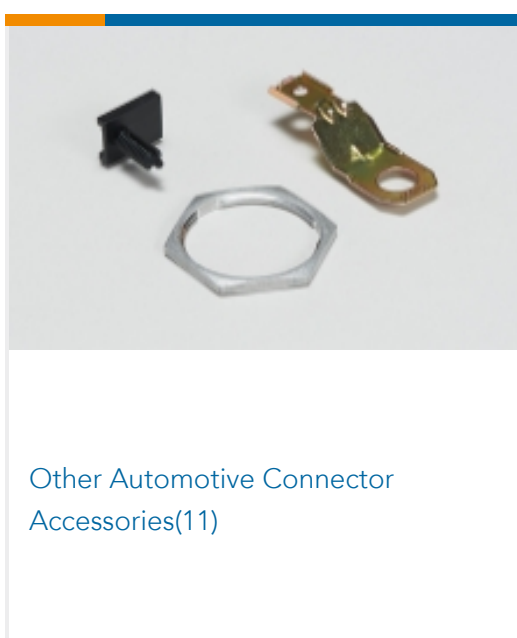
Automotive Housings(744)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)

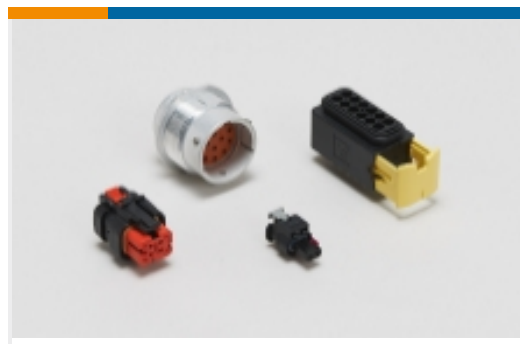


Other Automotive Connector  
Accessories(11)

### Also in the Series | DEUTSCH HD30



Automotive Connector Caps & Covers (15)



Automotive Housings(359)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

## Customers Also Bought



TE Part #HD34-18-14SN  
DEUTSCH HD30 HOUSINGS

## Documents

### Product Drawings

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

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT\\_99\\_c-hd34-24-31pt-99.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT\\_99\\_c-hd34-24-31pt-99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_HD34-24-31PT\\_99\\_c-hd34-24-31pt-99.3d\\_stp.zip](#)

English

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[Product Specifications](#)

[Application Specification](#)

English