

HD36-24-31SE

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-31SE

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Connector System: **Wire-to-Wire**  
Number of Positions: **31**  
Connector & Housing Type: **Housing for Female 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 Female 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	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

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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 Slot
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Aluminum
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Dimensions

Connector Height	49.32 mm[1.942 in]
Product Width	49.32 mm[1.942 in]
Product Length	38.61 mm[1.52 in]
Compatible Insulation Diameter Range	1.35 – 2.69 mm[.053 – .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) <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-PC8382  
Plug Protective Caps - DEUTSCH HD30



TE Part # CAT-H3930-CH8172  
DEUTSCH HD30 Housings







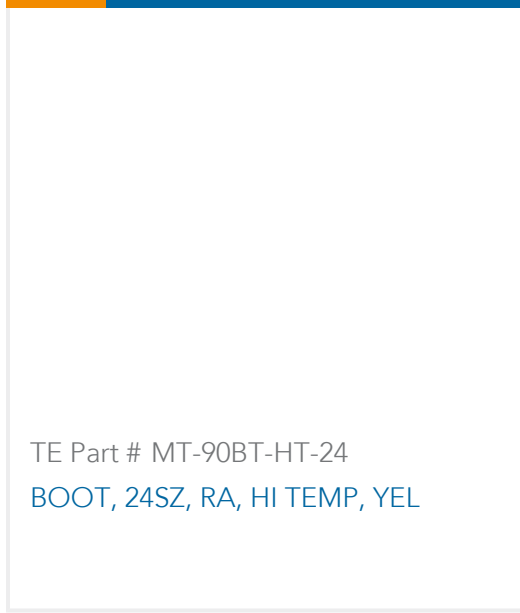
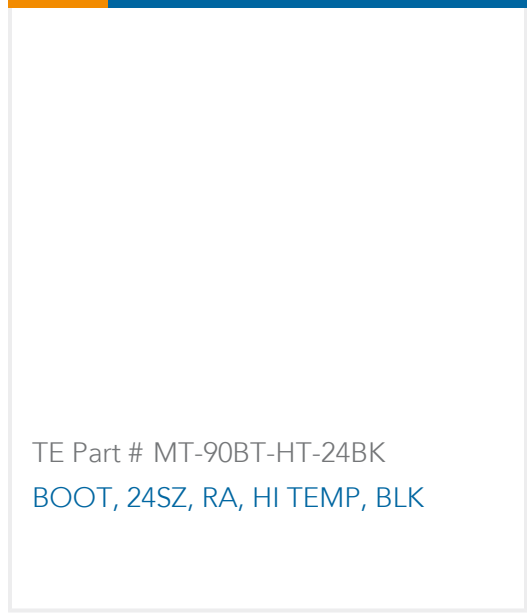


TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



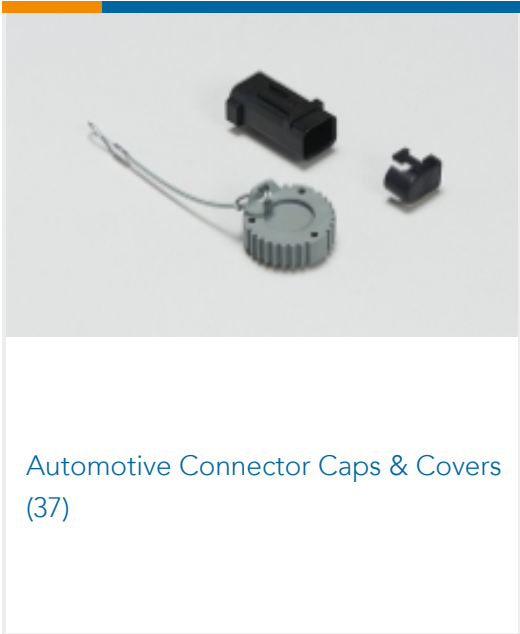
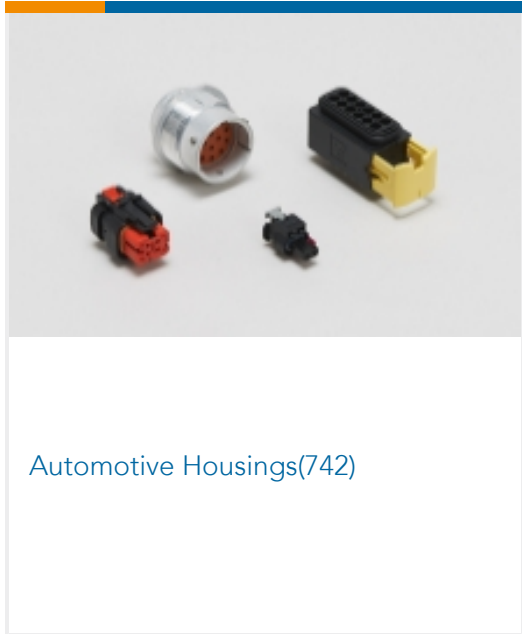
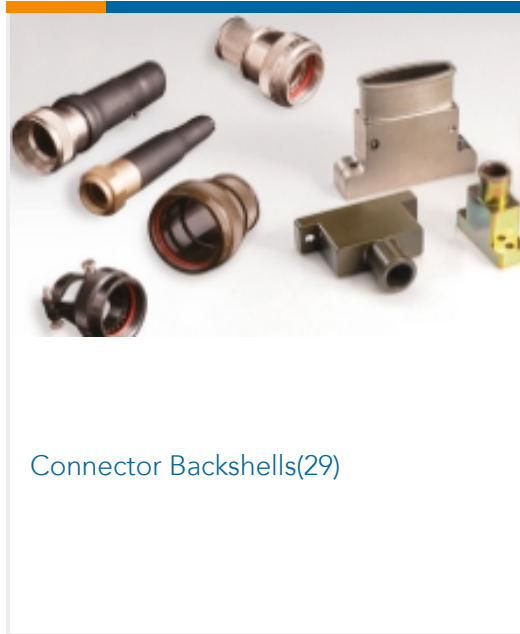
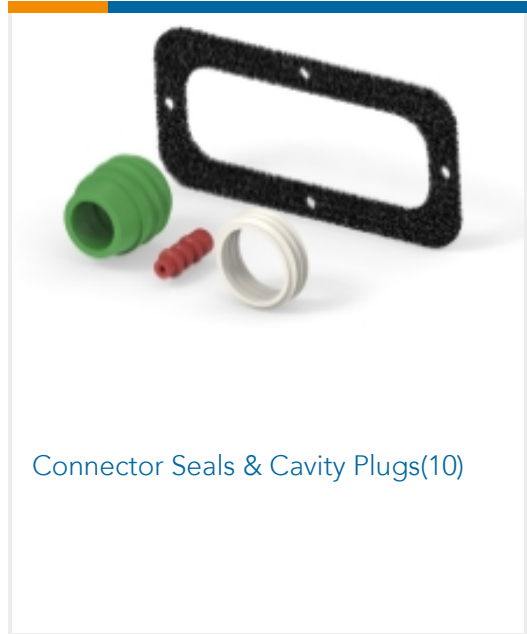
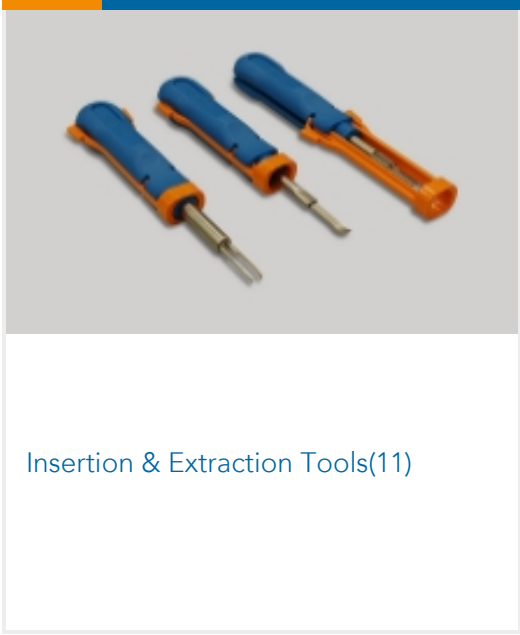
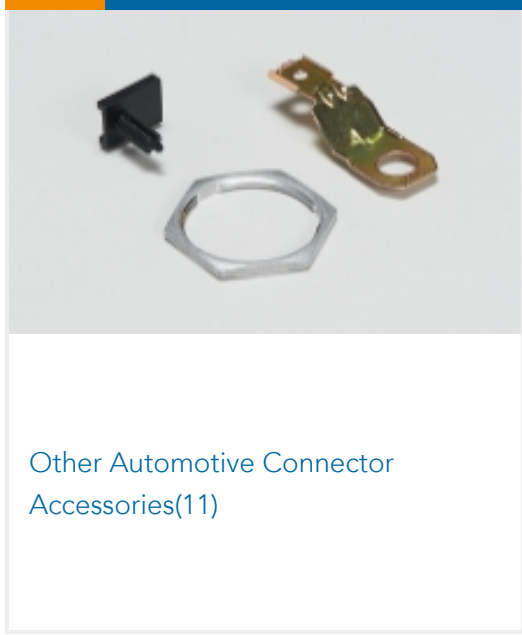

TE Part # HD30-24BT  
BOOT, 24SZ, ST, GRY



 <p>TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts</p>	 <p>TE Part # 114017-ZZ SEALING PLUG, SIZE 12/16, WHT</p>	 <p>TE Part # WHDS-24-1 STRAIN RELIEF, HD30, 24SZ, ST</p>	 <p>TE Part # WHDS-24-2 STRAIN RELIEF, HD30, 24SZ, RA</p>
 <p>TE Part # HD30-24BT-BK BOOT, 24SZ, ST, BLK</p>	 <p>TE Part # HD30-24BT-90-BK BOOT, 24SZ, RA, BLK</p>	 <p>TE Part # MT-90BT-HT-24 BOOT, 24SZ, RA, HI TEMP, YEL</p>	 <p>TE Part # MT-90BT-HT-24BK BOOT, 24SZ, RA, HI TEMP, BLK</p>

Also in the Series

DEUTSCH HD

 <p>Automotive Connector Caps &amp; Covers (37)</p>	 <p>Automotive Housings(742)</p>	 <p>Connector Backshells(29)</p>	 <p>Connector Seals &amp; Cavity Plugs(10)</p>
 <p>Insertion &amp; Extraction Tools(11)</p>	 <p>Other Automotive Connector Accessories(11)</p>	 <p>PCB Headers &amp; Receptacles(1)</p>	

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 #DRC26-50S04  
PLG, 50P, BLK, N, 04



TE Part #926539-3  
250 FASTON HSG. REC. 1P BLACK



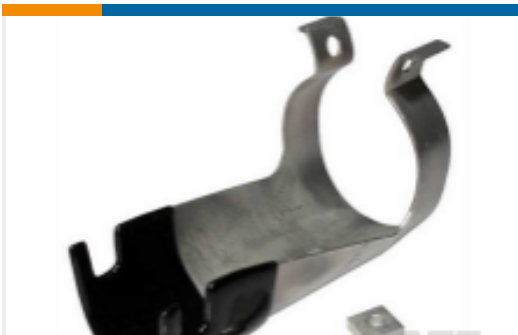
TE Part #HD36-24-21SE  
PLG, 21P, AL, E, 12/16, S



TE Part #HDP26-24-21SE  
DEUTSCH HDP20 Housings



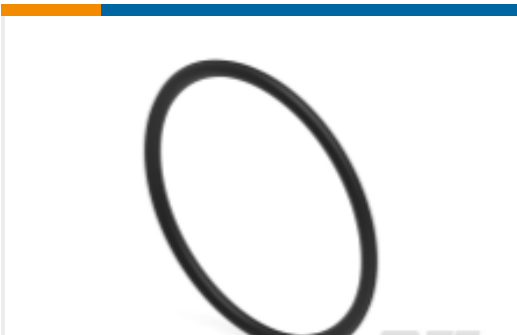
TE Part #DT06-08SA-E008  
PLG, 8P, GRY, N, XCAP, A



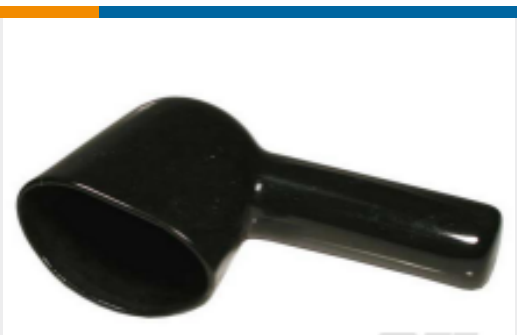
TE Part #WHDS-24-1  
STRAIN RELIEF, HD30, 24SZ, ST



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



TE Part #2138312-1  
O-RING, PASS-THRU



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

Documents



Product Drawings

PLG, 31P, AL, E, 16, S

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31SE\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31SE\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31SE\_A.3d\_stp.zip

English

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Product Specifications

Application Specification

English