

# HD36-24-31ST-059 ✓ ACTIVE

DEUTSCH | DEUTSCH HD30, DEUTSCH HD

TE Internal #: HD36-24-31ST-059

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



Number of Positions: 31

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

Mating Pin Diameter: 1.6 mm [ .063 in ]

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

Sealable: **Yes**

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

## Features

### Industry Standards

IP Rating	IP67
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### Housing Features

Housing Material	Aluminum Alloy
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### Body Features

Cable Exit Angle	180°
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### Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm [.055 – .15 in]
Product Width	49.3 mm [1.94 in]
Product Length	49.3 mm [1.94 in]
Connector Height	81 mm [3.19 in]

### Packaging Features

Packaging Quantity	1
Packaging Method	Package

### Mechanical Attachment

Strain Relief	With
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Terminal Position Assurance	No
Mating Alignment Type	Guide Slot
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

#### Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

#### Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

#### Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

#### Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Circular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

#### Configuration Features

Blank Cavity Position	0
Connector Modification	Cable Clamp
Connector Seal Code	T Seal
Number of Positions	31

#### Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
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Operating Temperature Range -55 – 125 °C[-67 – 257 °F]

**Operation/Application**

Circuit Application Power

**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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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.

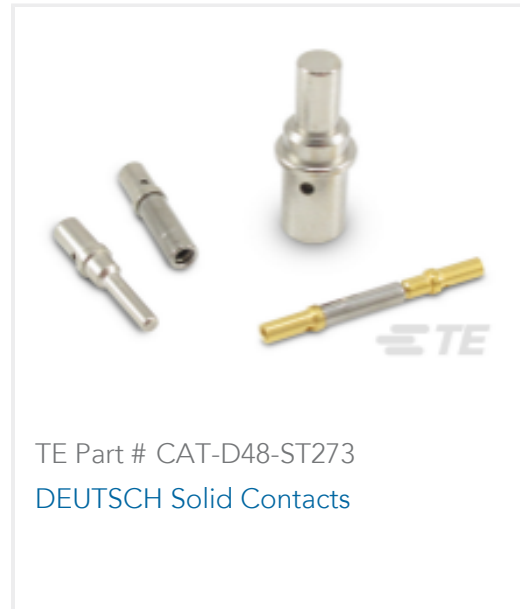
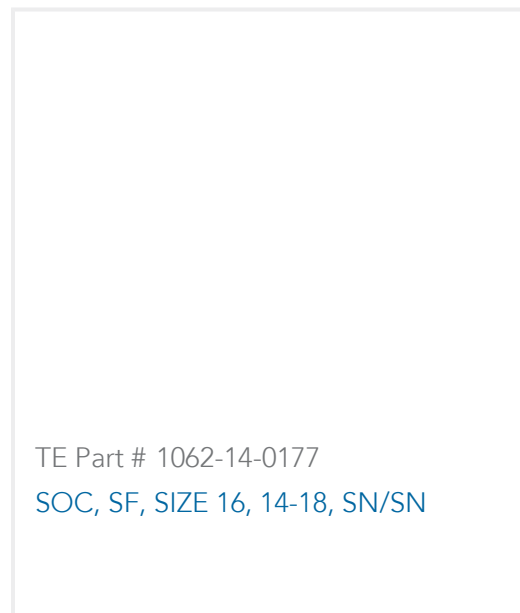
Halogen Content Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability Not reviewed for solder process capability

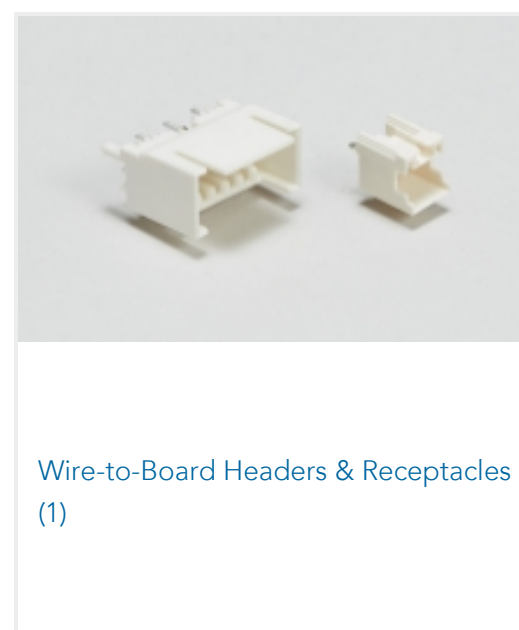
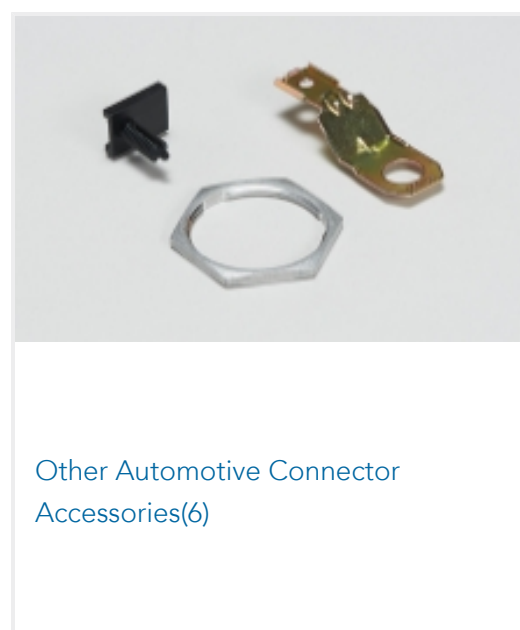
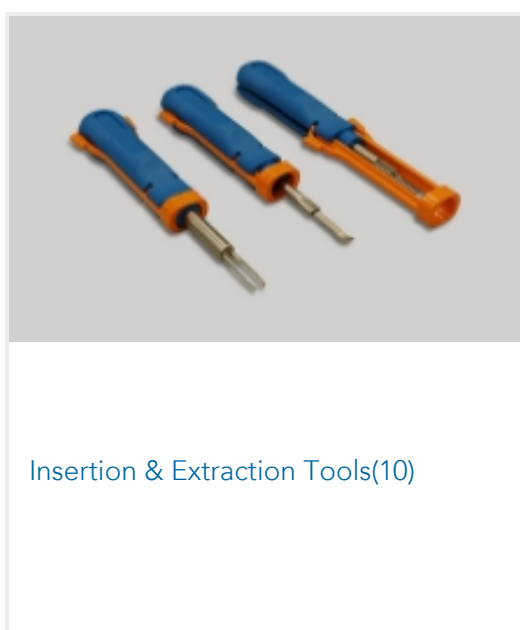
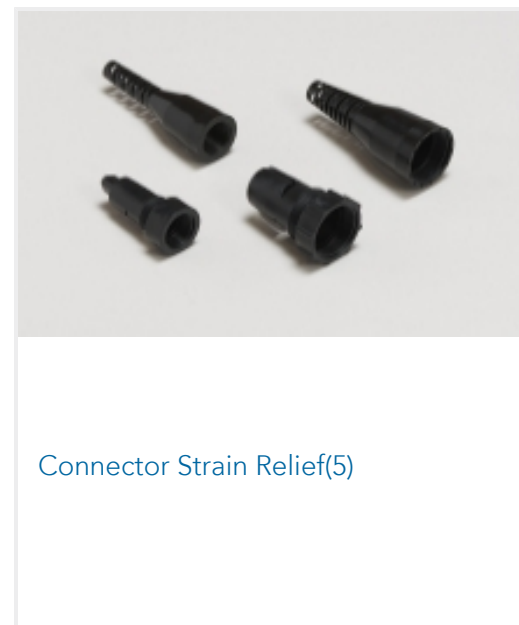
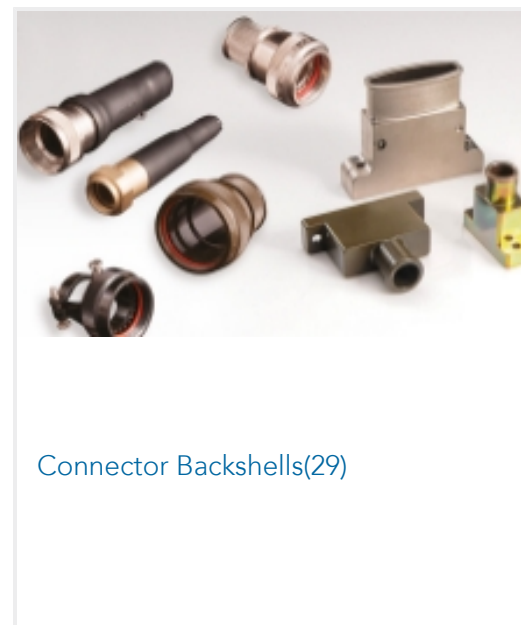
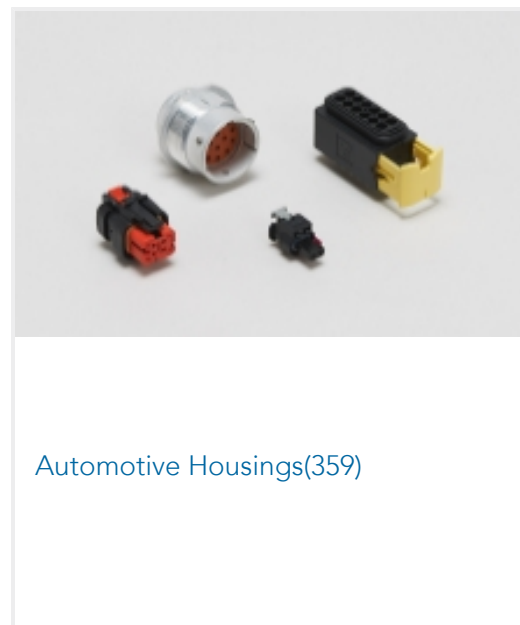
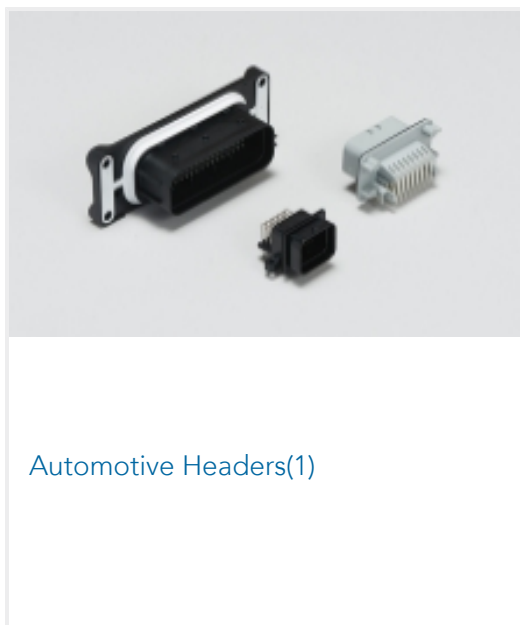
**Product Compliance Disclaimer**

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**



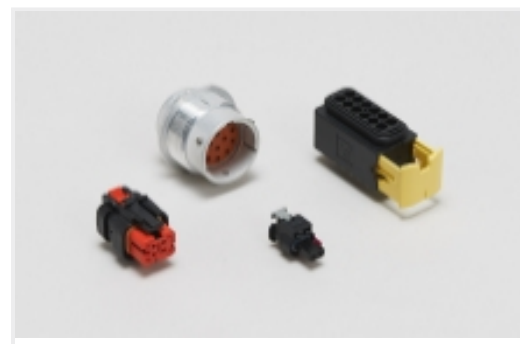
Also in the Series | **DEUTSCH HD**



Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (14)



Automotive Housings(359)



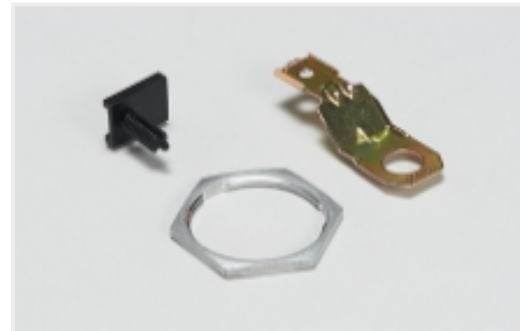
Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

## Customers Also Bought



TE Part #2383445-1  
DIA 10MM,TERMINAL,FAM SLD /UNSLD,CB



TE Part #AEC14-40PBE-E019  
REC, 40P, BLK, E, XCAP, B



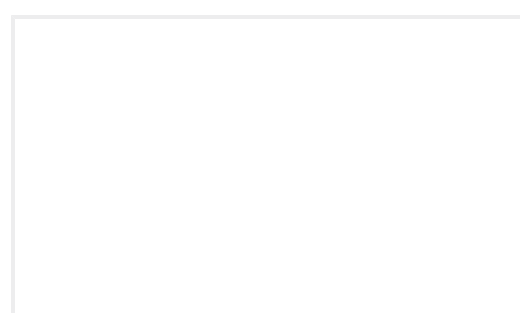
TE Part #1587042-1  
34P MALE CAP ASSY-KEY A



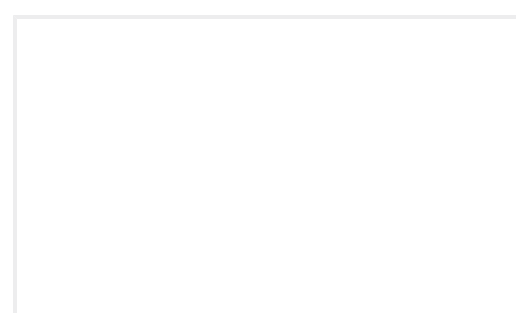
TE Part #CAT-H3930-CH8172  
DEUTSCH HD30 Housings



TE Part #DT04-12PB-P031  
REC, 12P, BLK, BUSBAR 4X3, GOLD, B



TE Part #2310361-1  
1062-16-0122



TE Part #HD44-24-31PT-059  
KT RC HD30 24 SHL 31 WY T SEAL CLMP

## Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HD36-24-31ST-059\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

[DEUTSCH HD30 & HDP20 CONNECTOR SERIES](#)

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[CONNECTOR SELECTOR](#)

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**Product Specifications**

[Application Specification](#)

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