

# HD36-24-31PT ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

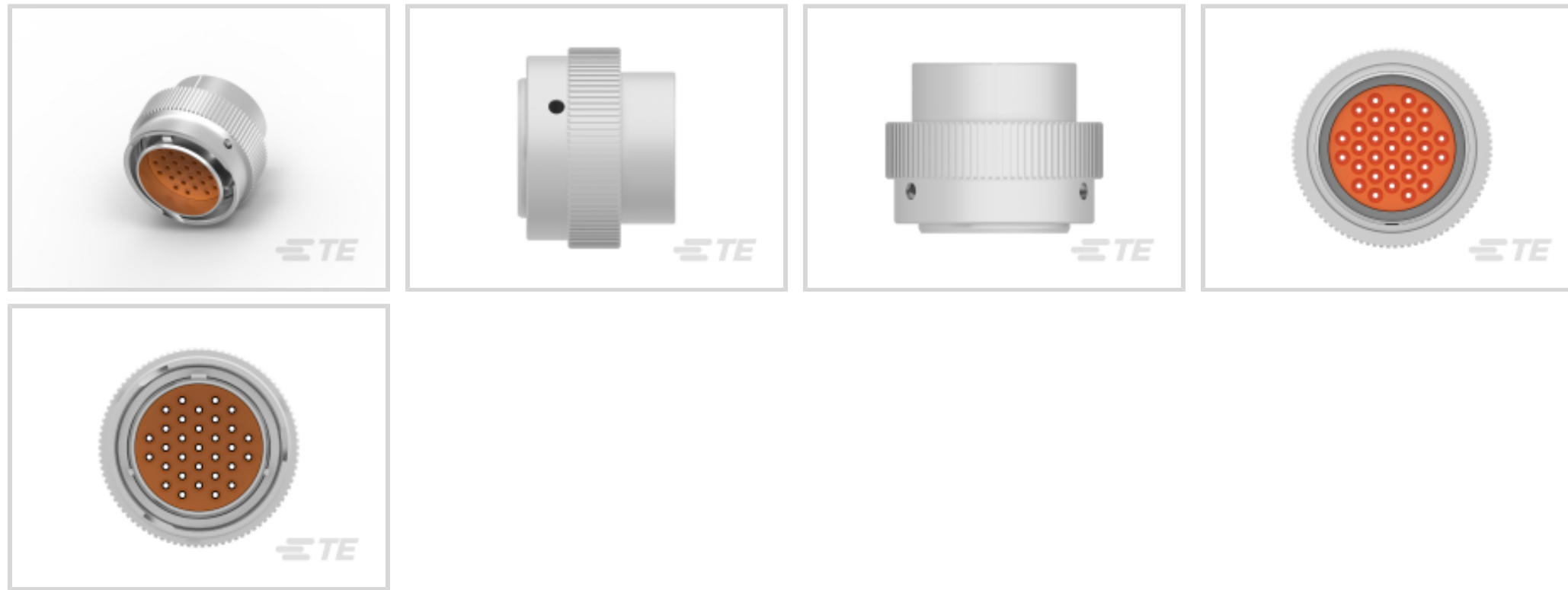
TE Internal #: HD36-24-31PT

Housing for Male 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 & 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 \(358\)](#)

## Features

### Product Type Features

|                                   |                            |
|-----------------------------------|----------------------------|
| Connector 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° |
|------------------|------|

### Contact Features

|              |         |
|--------------|---------|
| Contact Size | Size 16 |
|--------------|---------|

|              |     |
|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

|                     |                  |
|---------------------|------------------|
| 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 |
|------------------|----------|

### 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] |
|----------------|-------------------|

|                                   |                                |
|-----------------------------------|--------------------------------|
| Accepts 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 |
|---------------------|----------------|

### Industry Standards

|                      |      |
|----------------------|------|
| Degree of Protection | IP67 |
|----------------------|------|

### 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 2023 (233)<br>Candidate List Declared Against: JAN 2023 (233)<br>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

|   |  |   |  |
|---|--|---|--|
|  <p>TE Part # CAT-H3930-CH8172<br/>DEUTSCH HD30 Housings</p> |  <p>TE Part # CAT-H3930-PC8382<br/>Plug Protective Caps - DEUTSCH HD30</p> |  <p>TE Part # CAT-D48-ST273<br/>DEUTSCH Solid Contacts</p> |  <p>TE Part # HD30-24BT<br/>BOOT, 24SZ, ST, GRY</p> |
|---|--|---|--|




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



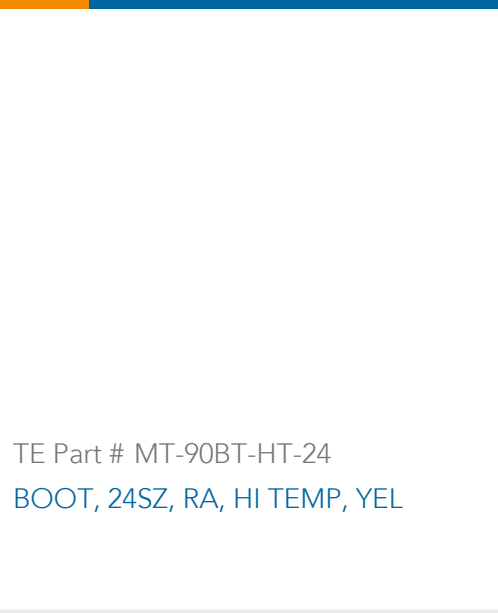
TE Part # 2300908-1  
0460-003-16329, PIN, SOLID, 20-24AWG, AU




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



TE Part # CAT-D48-SFT273  
DEUTSCH Stamped and Formed Contacts




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 (65)




Automotive Housings(741)



Automotive 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 (20)



Automotive Housings(358)



Automotive Seals & Cavity Plugs(11)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

## Customers Also Bought



TE Part #HD34-24-35SN  
DEUTSCH HD30 Housings



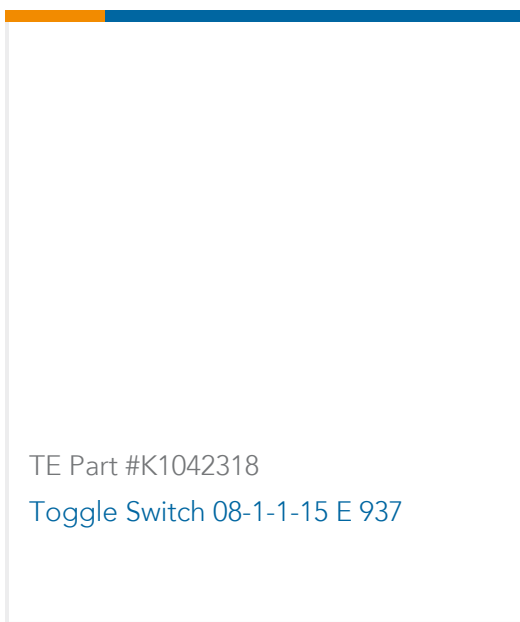
TE Part #WHDS-24-2  
STRAIN RELIEF, HD30, 24SZ, RA



TE Part #112263-90  
PANEL NUT, SIZE 24, HD30



TE Part #YDT04-2P-P06000000  
REC, 2P, BLK, BUSBAR, NI



TE Part #K1042318  
Toggle Switch 08-1-1-15 E 937

## Documents

### Product Drawings

PLG, 31P, AL, T, 16, P

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD36-24-31PT\_B.2d\_dxf.zip



English

**Customer View Model**

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

English

**Customer View Model**

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

English

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**Product Specifications**

[Application Specification](#)

English