

HD36-24-31PT

✓ ACTIVE

DEUTSCH | [DEUTSCH HD](#), [DEUTSCH HD30](#)

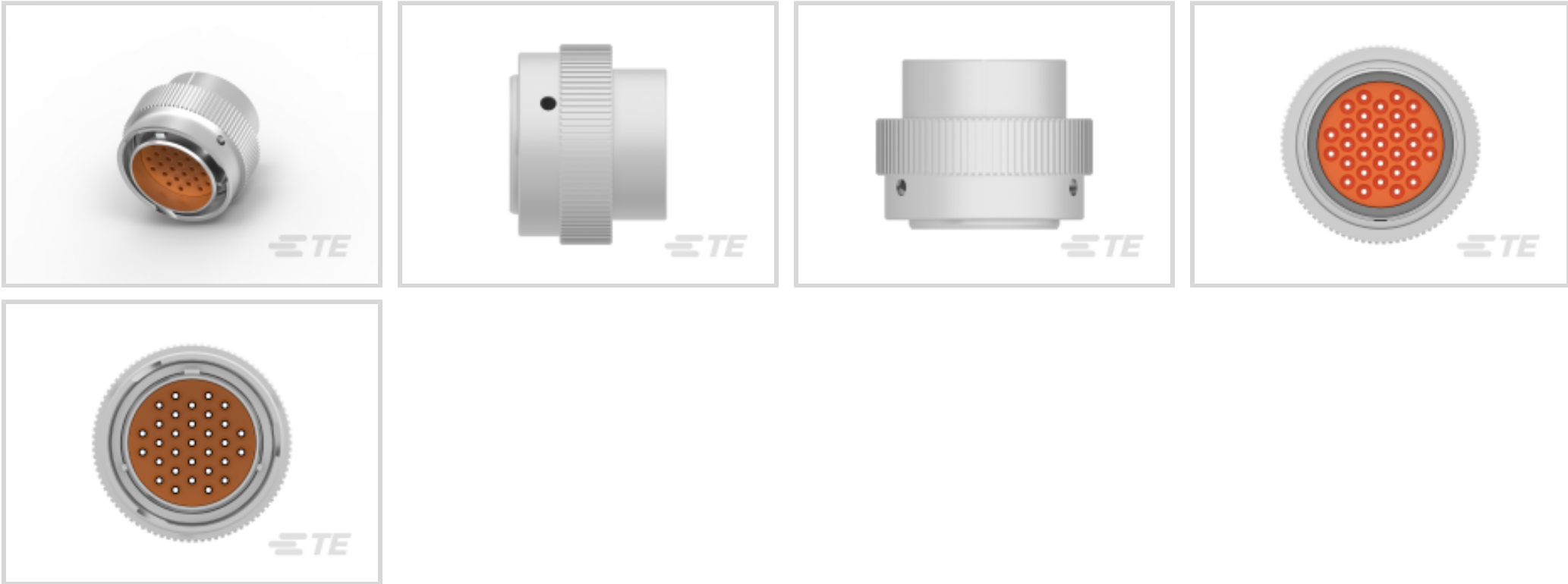
TE Internal #: HD36-24-31PT

Housing for Male Terminals, Wire-to-Wire, 31 Position, Sealable, Wire & Cable, Power, Cable Mount (Free-Hanging), -55 – 125 °C [-67 – 257 °F], 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 Male Terminals**
Sealable: **Yes**
Mating Pin Diameter: **1.6 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 Male Terminals |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Contact Retainer |

Configuration Features

| | |
|-----------------------|--------|
| Blank Cavity Position | 0 |
| Connector Seal Code | T Seal |
| Number of Positions | 31 |

Electrical Characteristics

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



| | |
|------------------------------|---------|
| Operating Voltage | 250 VAC |
| Nominal Voltage Architecture | 250 V |

Body Features

| | |
|------------------|------|
| Cable Exit Angle | 180° |
|------------------|------|

Contact Features

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

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Terminal Position Assurance | No |
| Strain Relief | Without |
| Mating Alignment Type | Guide Slot |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|------------------|----------------|
| Housing Material | Aluminum Alloy |
|------------------|----------------|

Dimensions

| | |
|--------------------------------------|-----------------------------|
| Connector Height | 39.1 mm[1.54 in] |
| Product Width | 49.3 mm[1.94 in] |
| Product Length | 49.3 mm[1.94 in] |
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 in] |

Usage Conditions

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

Operation/Application

| | |
|---------------------|-------|
| Circuit Application | Power |
|---------------------|-------|

Industry Standards

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

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|



| Packaging Method | Package |
|--------------------------------------|---------|
| 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 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) 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

HD36-24-31PT

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TE Part # CAT-H3930-PC8382
Plug Protective Caps - DEUTSCH HD30

TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

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

TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings

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

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

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

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

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

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

Also in the Series | DEUTSCH HD

Automotive Connector Caps & Covers
(32)

Automotive Housings(768)

Connector Backshells(29)

Connector Seals & Cavity Plugs(10)

Connector Strain Relief(5)

Insertion & Extraction Tools(11)

Other Automotive Connector
Accessories(11)

PCB Headers & Receptacles(1)

Also in the Series | DEUTSCH HD30

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Automotive Connector Caps & Covers
(14)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)



Insertion & Extraction Tools(10)



Other Automotive Connector
Accessories(6)

Customers Also Bought



TE Part #HD34-24-18SE
DEUTSCH HD30 Housings



TE Part #DT04-08PB-E003
REC, 8P, BLK, N, CAP, B



TE Part #112264-ZZ
LOCKWASHER, SIZE 24, HD30

Documents

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

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

Datasheets & Catalog Pages

CONNECTOR SELECTOR



English

[Product Specifications](#)

[Application Specification](#)

English