

HD34-24-31ST

✓ ACTIVE

DEUTSCH | DEUTSCH HD30, DEUTSCH HD

TE Internal #: HD34-24-31ST

31 Position Housing, Housing for Female Terminals, Wire-to-Panel, Sealable, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], 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-Panel**

Sealable: **Yes**

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

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Panel |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| 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 VDC |
| Nominal Voltage Architecture | 12 V, 24 V |

Body Features

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



Contact Features

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

Mechanical Attachment

| | |
|-----------------------------|-----------------|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Polarizing Slot |
| Mating Alignment | With |
| Connector Mounting Type | Panel Mount |

Housing Features

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

Dimensions

| | |
|--------------------------------------|-----------------------------|
| Compatible Insulation Diameter Range | 1.4 – 3.8 mm[.055 – .15 in] |
| Product Width | 47.6 mm[1.87 in] |
| Product Length | 50.8 mm[2 in] |
| Connector Height | 41.8 mm[1.64 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

| | |
|-----------|------|
| IP Rating | 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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519579026) Decamethylcyclopentasiloxane (D5) (.5% in 27519579026) Octamethylcyclotetrasiloxane (D4) (.5% in 27519579026) 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

TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN

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

TE Part # CAT-H3930-M8649
Mounting Hardware for DEUTSCH HD30 Connectors


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

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



TE Part # CAT-H3930-RC8382
Receptacle Protective Caps -
DEUTSCH HD30



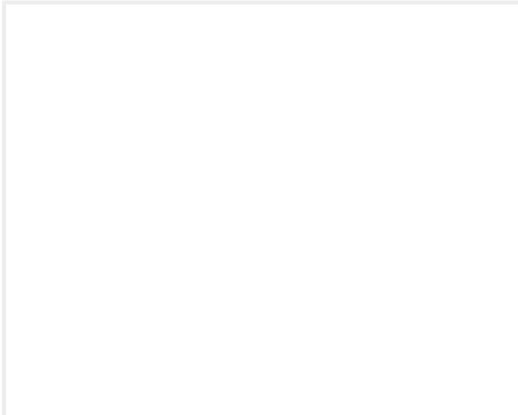
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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



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



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



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



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 Housings




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




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

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers
(26)



Automotive Housings(768)



Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(17)

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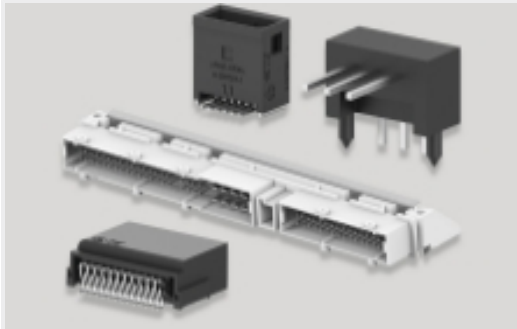
Automotive Connector Caps & Covers (26)



Automotive Housings(768)



Other Automotive Connector Accessories(17)



PCB Headers & Receptacles(1)



Rectangular Power Connectors(1)

Customers Also Bought



TE Part #CAT-H3930-CH8172
DEUTSCH HD30 Housings

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD34-24-31ST_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English