

HD36-24-47PE ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

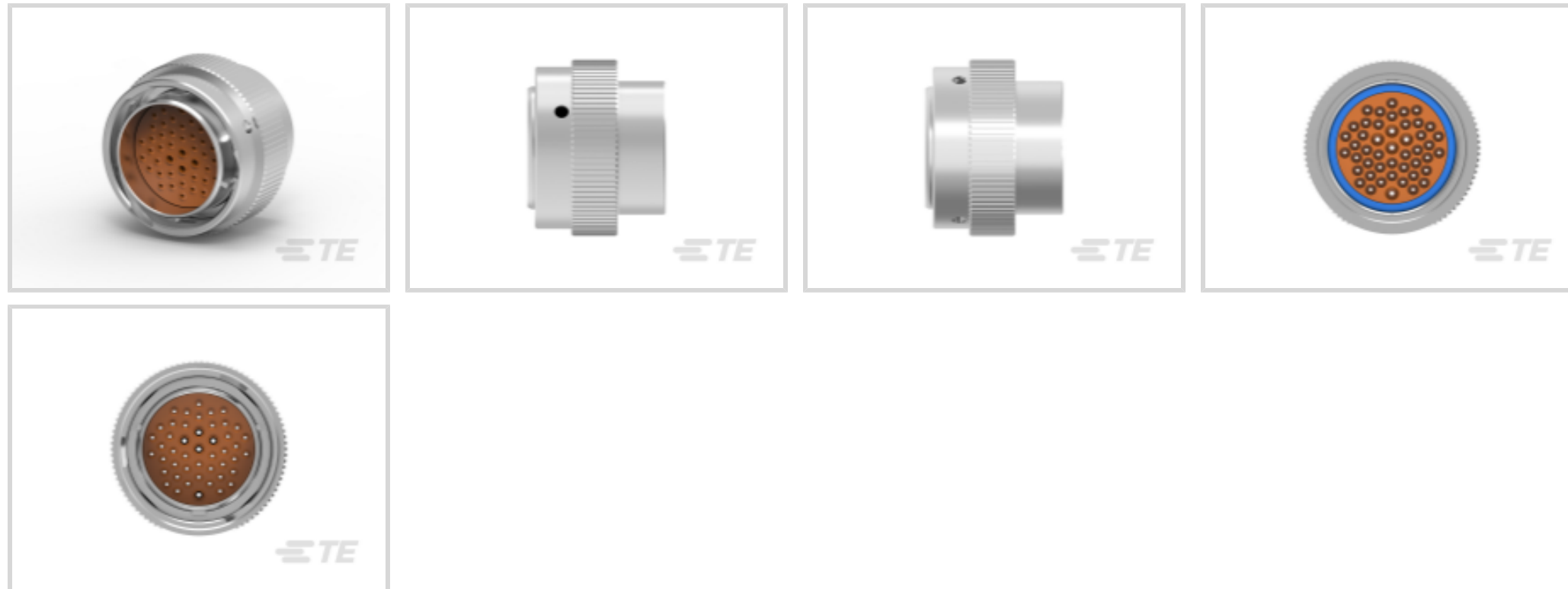
TE Internal #: HD36-24-47PE

Hybrid, Housing for Male Terminals, Wire-to-Wire, 47 Position, Sealable, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging)

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Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD30 HOUSINGS



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

Mating Pin Diameter: **1.02 mm, 1.59 mm [.04 in, .063 in]**

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

Number of Positions: **47**

Sealable: **Yes**

[All DEUTSCH HD30 HOUSINGS \(357\)](#)

Features

Product Type Features

| | |
|-----------------------------------|----------------------------|
| Connector & Housing Shape | Circular |
| Connector & Housing Type | Housing for Male Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | Yes |
| Primary Locking Feature | Contact Retainer |
| Connector & Contact Terminates To | Wire & Cable |

Configuration Features

| | |
|-----------------------|--------|
| Blank Cavity Position | 0 |
| Connector Seal Code | E Seal |
| Number of Positions | 47 |

Electrical Characteristics



| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

| | |
|------------------------------|------------|
| Nominal Voltage Architecture | 12 V, 24 V |
|------------------------------|------------|

Body Features

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

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|---------------|----------|
| Body Material | Aluminum |
|---------------|----------|

Contact Features

| | |
|--------------|------------------|
| Contact Size | Size 16, Size 20 |
|--------------|------------------|

| | |
|---------------------|-------------------------------------|
| Mating Pin Diameter | 1.02 mm, 1.59 mm [.04 in] [.063 in] |
|---------------------|-------------------------------------|

| | |
|------------------------------|-------------|
| Contact Current Rating (Max) | 7.5 A, 13 A |
|------------------------------|-------------|

Mechanical Attachment

| | |
|------------------|---------|
| Mounting Feature | Without |
|------------------|---------|

| | |
|-----------------------------|----|
| Terminal Position Assurance | No |
|-----------------------------|----|

| | |
|---------------|------------------|
| Strain Relief | Add By Accessory |
|---------------|------------------|

| | |
|-----------------------|-----------|
| Mating Alignment Type | Not Keyed |
|-----------------------|-----------|

| | |
|------------------|---------|
| Mating Alignment | Without |
|------------------|---------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Dimensions

| | |
|---------------|---------------------|
| Product Width | 49.32 mm [1.942 in] |
|---------------|---------------------|

| | |
|----------------|--------------------|
| Product Length | 38.61 mm [1.52 in] |
|----------------|--------------------|

| | |
|----------------|---------------------|
| Product Height | 49.32 mm [1.942 in] |
|----------------|---------------------|

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|--|--|
| Accepts Wire Insulation Diameter Range | 1.02 – 2.1 mm, 1.35 – 2.62 mm [.04 – .083 in] [.053 – .103 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

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|--------------------|-----|
| Packaging Quantity | 200 |
|--------------------|-----|

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|------------------|-----|
| 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 2022 (223) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% 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



TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-H3930-PC8382
DEUTSCH HD30 PLUG PROTECTIVE CAPS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



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



TE Part # CAT-H3930-CH8172
DEUTSCH HD30 HOUSINGS



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




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




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



TE Part # CAT-H3930-B128
DEUTSCH HD30 BACKSHELLS



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
(59)




Automotive Housings(742)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector
Accessories(11)

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (15)



Automotive Housings(359)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

Customers Also Bought



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

Documents

Product Drawings

PLG, 47P, AL, E, 16/20, P

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_HD36-24-47PE_D1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD36-24-47PE_D1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD36-24-47PE_D1.3d_stp.zip](#)

English

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



Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English