

# DTHD06-1-12S ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-12S

12 V / 24 V / 48 V, 1 Position, Automotive Housing for Female Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power, Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DTHD Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: 1

Sealable: **Yes**

Operating Temperature Range: -55 – 125 °C [ -67 – 257 °F ]

[All DEUTSCH DTHD Housings \(13\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	1
Number of Rows	1

### Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

### Body Features

Cable Exit Angle	180 °
Primary Product Color	Black



### Contact Features

Contact Size	Size 12
Contact Type	Socket
Mating Pin Diameter	2.39 mm[.094 in]
Contact Current Rating (Max)	25 A

### Mechanical Attachment

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

### Housing Features

Housing Material	PEI (Polyetherimide)
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### Dimensions

Compatible Insulation Diameter Range	3.4 – 4.32 mm[.134 – .17 in]
Product Width	14.48 mm[.57 in]
Product Length	38.05 mm[1.498 in]
Connector Height	19.58 mm[.771 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
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### Industry Standards

IP Rating	Not Tested
UL Flammability Rating	Not Tested

### Packaging Features

Packaging Quantity	1500
Packaging Method	Box

### Other

Serviceable	Yes
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Connector Position Assurance Capable

No

## Product Compliance

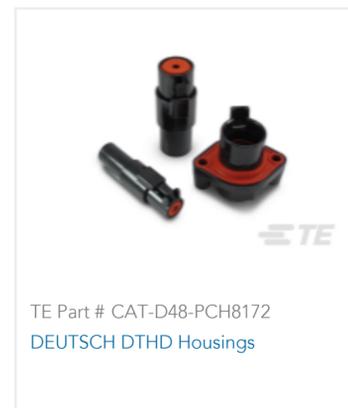
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not reviewed for solder process capability

### Product Compliance Disclaimer

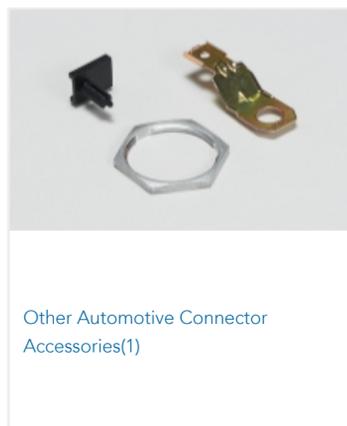
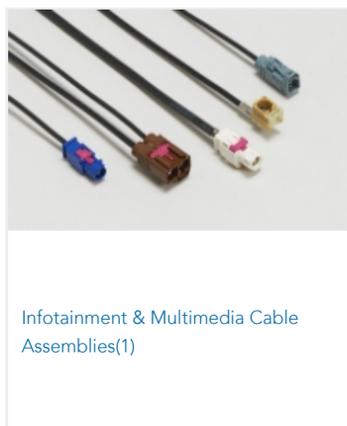
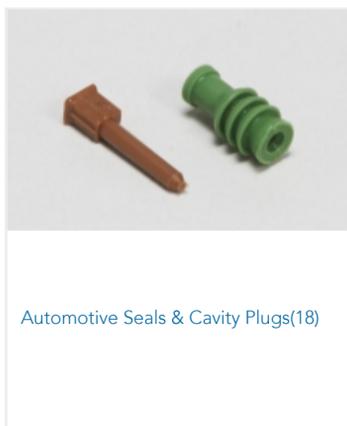
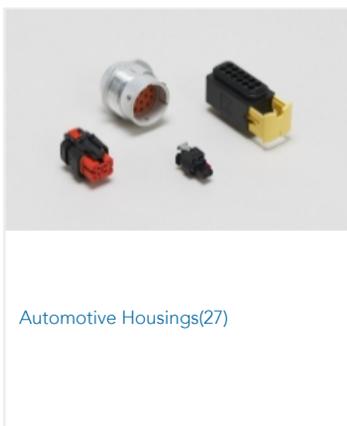
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

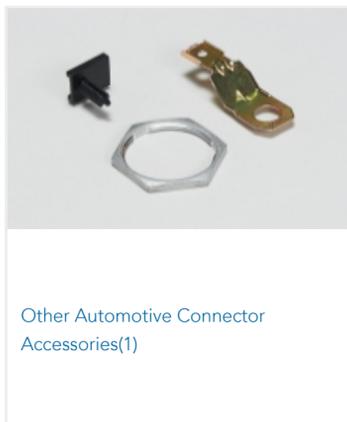
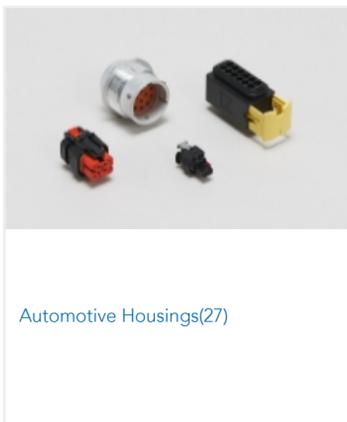




### Also in the Series | DEUTSCH DT



### Also in the Series | DEUTSCH DTHD



### Customers Also Bought





## Documents

### Product Drawings

PLG, 1P, BLK, N, SIZE 12

English

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_DTHD06-1-12S\\_99.2d\\_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DTHD06-1-12S\\_99.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DTHD06-1-12S\\_99.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

### Product Specifications



## Application Specification

English