DTHD06-1-8S ✔ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-8S

Housing for Female Terminals, Wire-to-Wire, 1 Position, Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging), Hybrid

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTHD Housings







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

Number of Positions: **1**

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

Sealable: **Yes**

Mating Pin Diameter: **3.61 mm [.142 in]**

All DEUTSCH DTHD Housings (13)

Features

Product Type Features

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

Configuration Features

Number of Positions	1
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 8
Contact Type	Socket
Mating Pin Diameter	3.61 mm[.142 in]
Contact Current Rating (Max)	60 A

Mechanical Attachment

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

Housing Features

Housing Material	PEI (Polyetherimide)

Dimensions

Connector Height	21.87 mm[.861 in]
Product Width	16.76 mm[.66 in]
Product Length	38.05 mm[1.498 in]
Compatible Insulation Diameter Range	4.83 – 6.09 mm[.19 – .24 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	Not Tested
UL Flammability Rating	Not tested

Packaging Features

Packaging Quantity	1000
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: 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-PCH8172
DEUTSCH DTHD Housings



TE Part # 0462-203-08141
SOC, SOLID, SIZE 8, 8-10AWG, NI



TE Part # 114018-ZZ
SEALING PLUG, SIZE 8, WHT

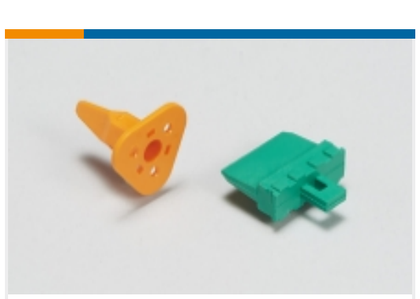


TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(705)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



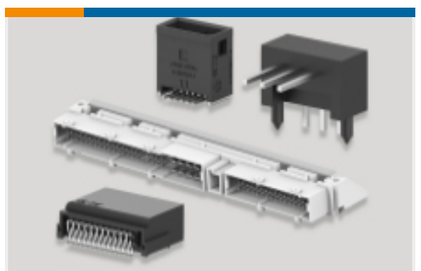
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(106)

Also in the Series | DEUTSCH DTHD



Automotive Housings(21)



Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #HDP26-24-18SN
DEUTSCH HDP20 Housings



TE Part #DTHD06-1-12S
PLG, 1P, BLK, N, SIZE 12



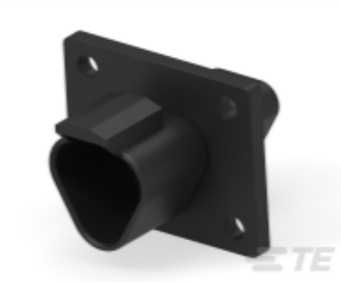
TE Part #HD10-9-96PE-B009
REC, 9P, GRY, E, NO KEY, FLANGE, 16



TE Part #DT04-2P-RT25
REC, 2P, BLK, 27K OHM RESISTOR, NI



TE Part #0462-203-04141
SOC, SOLID, SIZE 4, 6AWG, NI



TE Part #DT04-3P-LE14
REC, 3P, BLK, N, FLANGE



TE Part #K1144296
Relay-Set 29-311-12-954

Documents

Product Drawings

PLG, 1P, BLK, N, SIZE 8

English

CAD Files

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S_99.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

2377783-2 2380312-2 3631B101LL RH73H2A40MKTN SBCHE154R7K 141991-2 3-1393225-0 936348-1 CPF0402B37K4E1 SBCHE64R7K 1-962915-1 1393431-1 1743455-2 TE50BR39J 1903112-2 3430B2F51RTDF SMW73R0JT 175977-2 2-292161-3 2310537-1 CRGCQ2010J3K3 MPT100C18RF 2005330-1 2834055-1 917696-1 U5254-000005-030PA 1-794222-0 1969656-1 650075-000 ROX05SJ18R