DTHD06-1-8S-E003 ✔ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-8S-E003

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

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

Mechanical Attachment

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

Housing Features

Housing Material	PEI (Polyetherimide)

Dimensions

Compatible Insulation Diameter Range	4.83 – 6.09 mm[.19 – .24 in]
Product Width	16.76 mm[.66 in]
Product Length	39.32 mm[1.548 in]
Connector Height	21.87 mm[.861 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	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	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) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 26178080431) Octamethylcyclotetrasiloxane (D4) (.5% in 26178080431) Decamethylcyclopentasiloxane (D5) (.5% in 26178080431) **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	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



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



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



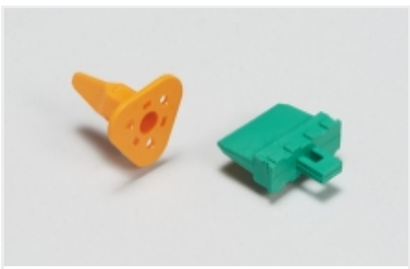
TE Part # 114008-ZZ
EXT TOOL, SIZE 8, 8-10 AWG, N, GRN



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

TE Part # CAT-D48-PCH8172
DEUTSCH DTHD Housings

Also in the Series | DEUTSCH DT



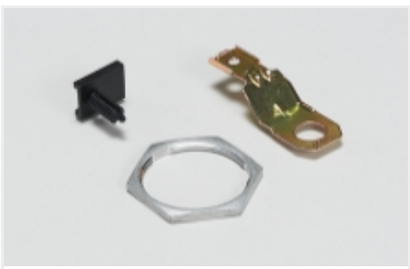
Automotive Connector Locks & Position Assurance(91)



Automotive Seals & Cavity Plugs(18)



Infotainment & Multimedia Cable Assemblies(1)



Other Automotive Connector Accessories(1)

Also in the Series | DEUTSCH DTHD

Automotive Housings(27)

Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-D48-PCH8172
DEUTSCH DTHD Housings



TE Part #DT06-4S-CE13
PLG, 4P, BLK, E, SEAL RET, XCAP



TE Part #K1008807
Relay 26-56-07



TE Part #EEC-5X650A
ENCLOSURE, 5 X 6.50, BLK, VENT



TE Part #DRC26-40SB
PLG, 40P, BLK, B



TE Part #AEA227N00000201000
623 RECEPTACLE, SPEEDTEC-READY



TE Part #SRK-PC-080-35-601
PIN, SOLID, SIZE M8, 35mm2, AG

Documents

Product Drawings

PLG, 1P, BLK, N, SIZE 8, CAP

English

CAD Files

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S-E003_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S-E003_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTHD06-1-8S-E003_99.3d_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

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ICT Terminals and Connectors Catalogue

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CONNECTOR SELECTOR

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Product Specifications

Application Specification

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