

DTHD06-1-8S

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTHD

TE Internal #: DTHD06-1-8S

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DTHD Housings



Number of Positions: 1

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

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

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

Sealable: **Yes**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	1
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Nominal Voltage Architecture	12 V, 24 V, 48 V
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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	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	4.83 – 6.09 mm[.19 – .24 in]
Product Width	16.76 mm[.66 in]
Product Length	38.05 mm[1.498 in]
Connector Height	21.87 mm[.861 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	Not Tested
UL Flammability Rating	Not Tested

Packaging Features

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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 26178080431) Decamethylcyclopentasiloxane (D5) (.5% in 26178080431) Octamethylcyclotetrasiloxane (D4) (.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	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 # 0462-203-08141
SOC, SOLID, SIZE 8, 8-10AWG, NI

TE Part # CAT-D48-PCH8172
DEUTSCH DTHD Housings

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

Also in the Series | **DEUTSCH DT**

Automotive Connector Locks & Position Assurance(92)

Automotive Housings(21)

Connector Caps & Covers(1)

Connector Seals & Cavity Plugs(18)

Connector Strain Relief(31)

Other Automotive Connector Accessories(1)

PCB Headers & Receptacles(107)

Rectangular Backshells & Clamps(3)

Wire-to-Board Headers & Receptacles (106)

Also in the Series | **DEUTSCH DTHD**



Automotive Housings(21)



Other Automotive Connector Accessories(1)

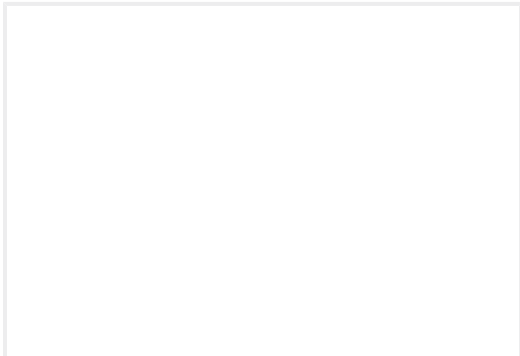
Customers Also Bought



TE Part #DT48S-BT
BOOT, 48P, PLG, ST, GRY



TE Part #DTP06-2S
PLG, 2P, GRY, N



TE Part #20030987-00
VLS9420-0075-224-1230: CTO-11500000-02



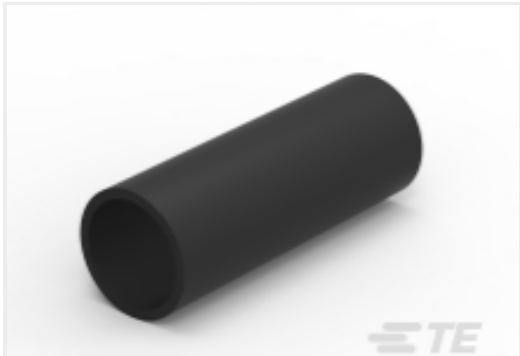
TE Part #DTHD06-1-12S
PLG, 1P, BLK, N, SIZE 12



TE Part #DTM06-6S
PLG, 6P, GRY, N



TE Part #5962-203-04141
SOC, SOLID, SIZE 4, 4AWG, NI



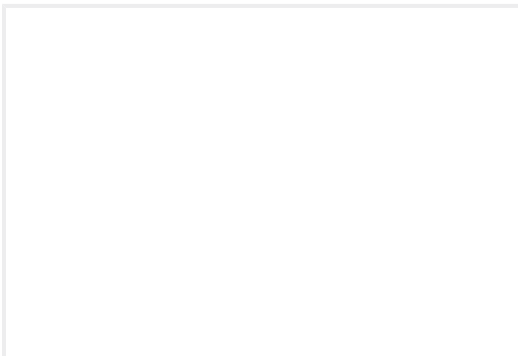
TE Part #CB5727-000
SAS-300-0.80-1030-0



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



TE Part #2236369-1
61103 DVI LOCKING SEALING PLUG #16



TE Part #DTM06-3S-KIT
DTM06-3S AND WEG ONLY

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

TERMINALS AND CONNECTORS

English

[ICT Terminals and Connectors Catalogue](#)

English

CONNECTOR SELECTOR

English

Product Specifications

[Application Specification](#)

English