DTCE06-1-8S-E003 ✔ ACTIVE

DEUTSCH | DEUTSCH DTHD

TE Internal #: DTCE06-1-8S-E003

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

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Automotive Parts > Automotive Connectors > Automotive 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]**

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 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	52.32 mm[2.06 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	UL 94V-0

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: FEB 2026 (253) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in Component) Decamethylcyclopentasiloxane (D5) (.5% in Component) Octamethylcyclotetrasiloxane (D4) (.5% in Component) **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 # 4011-202-0800
EXT TOOL, SIZE 8, 8-10 AWG, CE, GRN



TE Part # HDT-04-10
CRIMP TOOL, HDT-04-10



TE Part # DTCE04-1-8P-E003
DTCE RECP ASM

TE Part # 7G7919-10
SEAL PLUG, SIZE 8, WHT

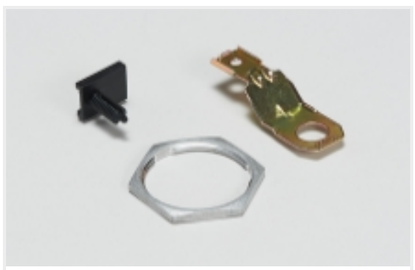


TE Part # CAT-D48-ST273
DEUTSCH Connector Solid Contacts

Also in the Series | DEUTSCH DTHD



Automotive Housings(27)



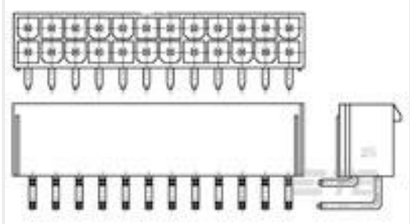
Other Automotive Connector Accessories(1)

Customers Also Bought

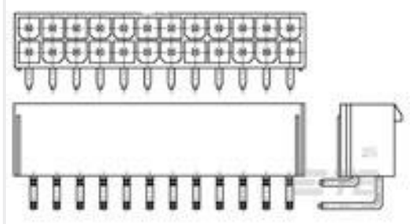
TE Part #DRC13-40PA
HDR, 40P, BLK, RA, 1032 FLG, SN/NI /CU, A



TE Part #DTCE04-1-8P-E003
DTCE RECP ASM



TE Part #1-1586041-0
10P VAL-U-LOK R/A HDR V2



TE Part #1-1586041-4
14P VAL-U-LOK R/A HDR V2



TE Part #7-1625971-0
HSA25 8R2 5%



TE Part #1703997-1
COVER,90,DEGREE



TE Part #2-2176347-5
CRGCQ 2010 1K0 1%

TE Part #4060-003-08141
PIN, SOLID, SIZE 8, 8AWG, NI

TE Part #4062-004-08141
SOC, SOLID, SIZE 8, 8AWG, NI

TE Part #4060-001-16141
PIN, SOLID, SIZE 16, 16-18AWG, NI

Documents

Product Drawings

DTCE PLUG ASM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTCE06-1-8S-E003_99_c-dtce06-1-8s-e003-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTCE06-1-8S-E003_99_c-dtce06-1-8s-e003-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTCE06-1-8S-E003_99_c-dtce06-1-8s-e003-99.3d_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

Agency Approvals

UL Report

English