DT06-12SD-CE05 ✔ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-12SD-CE05

Housing for Female Terminals, Wire-to-Wire, 12 Position, .359 in [9.12 mm] Centerline, Sealable, Brown, Wire & Cable, Power & Signal, DEUTSCH DT

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Connectors > Automotive Connectors > Automotive Housings








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

Number of Positions: **12**

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

Centerline (Pitch): **9.12 mm [.359 in]**

Sealable: **Yes**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
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

Blank Cavity Position	0
Connector Modification	Enhanced Seal Retention, End Cap
Connector Seal Code	E Seal
Number of Positions	12
Number of Rows	2

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Brown
Connector & Keying Code	D

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	9.12 mm[.359 in]

Dimensions

Connector Height	40.56 mm[1.597 in]
Product Width	20.83 mm[.82 in]
Product Length	32.21 mm[1.268 in]
Row-to-Row Spacing	4.45 mm[.175 in]
Compatible Insulation Diameter Range	1.35 - 3.05 mm[.053 - .12 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Degree of Protection	IP68, IP6K9K
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	12mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	450
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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	Not Low Halogen - contains Br or Cl > 900 ppm.
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-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



TE Part # CAT-D487-P729
Dust Caps - DEUTSCH DT



TE Part # CAT-D487-H342
DEUTSCH DT Headers



TE Part # W12S-P012
WEDGE LOCK, 12P, PLG, GRN, SL RET, DT



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-D487-CH8172
DEUTSCH DT Series Housings & Connectors

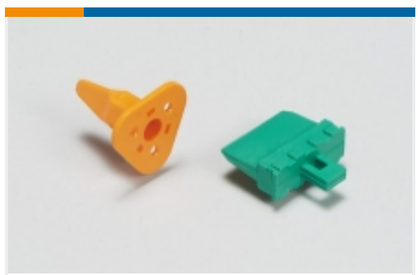
TE Part # 1062-14-0177
SOC, SF, SIZE 16, 14-18, SN/SN

TE Part # DTF15-12PD-G003
HDR, 12P, BRN, ST, AU/NI/CU, D

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(86)



Automotive Housings(654)



Connector Backshells(61)



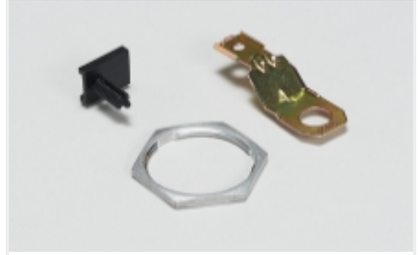
Connector Seals & Cavity Plugs(6)



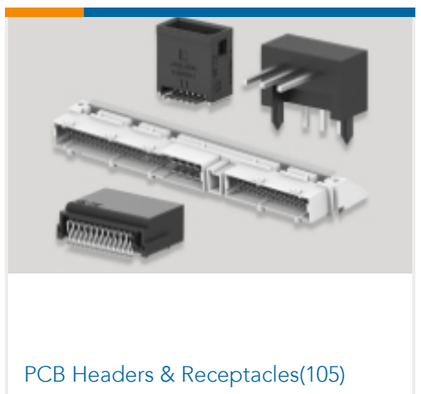
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)

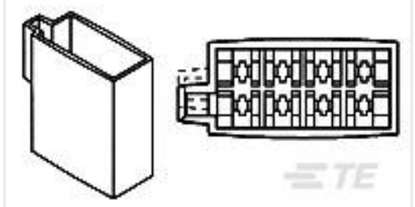


PCB Headers & Receptacles(105)

Customers Also Bought



TE Part # HD34-24-16PN
DEUTSCH HD30 Housings



TE Part # 106455-3
FF 110 PLUG HSG 8P.



TE Part # DT06-08SA-CE05
PLG, 8P, GRY, E, SEAL RET, CAP, A



TE Part # K1164034
Battery Disconnector 35-513-160-R-A5



TE Part # DT06-12SB-CE05
PLG, 12P, BLK, E, SEAL RET,ENH KEY, CAP,B

Documents

Product Drawings

PLG, 12P, BRN, E, SEAL RET,ENH KEY,CAP,D

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-12SD-CE05_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SD-CE05_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SD-CE05_B.3d_stp.zip

English

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Datasheets & Catalog Pages

DEUTSCH DT Enhanced Seal Retention Connectors

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Engineering Report

English

Agency Approvals

UL Report

English