DT06-12SB-CE04 ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-12SB-CE04

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

Signal, DEUTSCH DT

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DT Plug Connectors



Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.59 mm [.063 in]

Connector System: Wire-to-Wire

Number of Positions: 12

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

All DEUTSCH DT Plug Connectors (199)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Shrink Boot Adapter
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	Black	
Connector & Keying Code	В	
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	43.21 mm[1.701 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	
Agency/Standard	SAE J2030	
UL Flammability Rating	12mm Flame Test per Standard UL-94	



Packaging Features		
Packaging Quantity	350	
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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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-J41-DDRC

DEUTSCH DT Receptacle Connectors



TE Part # CAT-D487-H342
DEUTSCH DT Headers



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



TE Part # W12S
WEDGE LOCK, 12P, PLG, ORG, STD,
DT



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # DT-RT1

EXT TOOL, FRONT RELEASE



TE Part # CAT-J67-DSCC16

DEUTSCH Size 16 Crimp Contacts

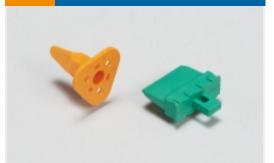


HDR, 12P, BLK, RA, AU/NI/CU, B

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (107)



Automotive Connector Locks & Position Assurance(74)



Automotive Housings(618)



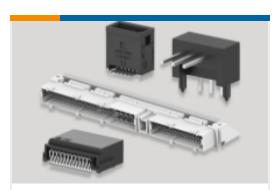
Connector Seals & Cavity Plugs(6)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(25)



PCB Headers & Receptacles(103)



Customers Also Bought















Documents

Product Drawings

PLG, 12P, BLK, E, XCAP, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-12SB-CE04_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SB-CE04_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SB-CE04_B.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

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

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



English

Agency Approvals

UL Report

English