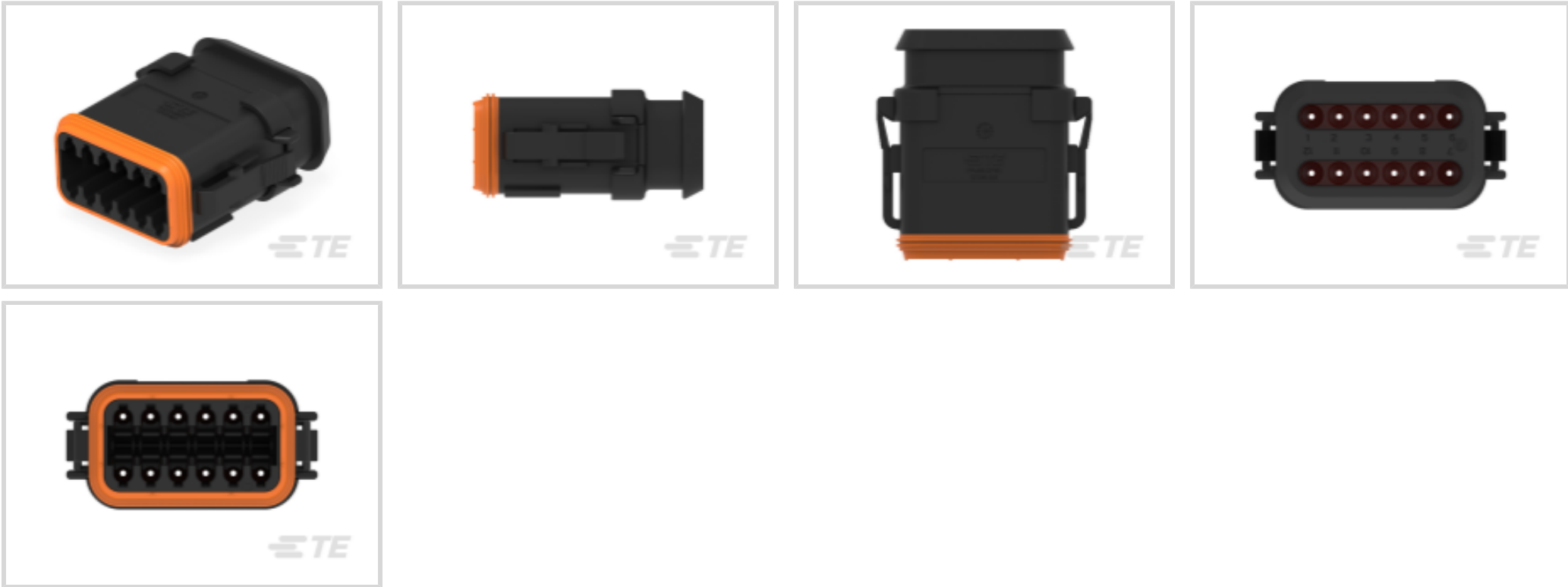




Connectors > Automotive Connectors > Automotive Housings



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	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	B

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
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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	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: JAN 2024 (240) 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

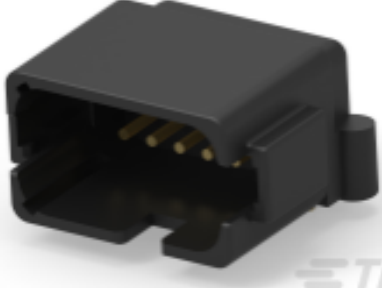
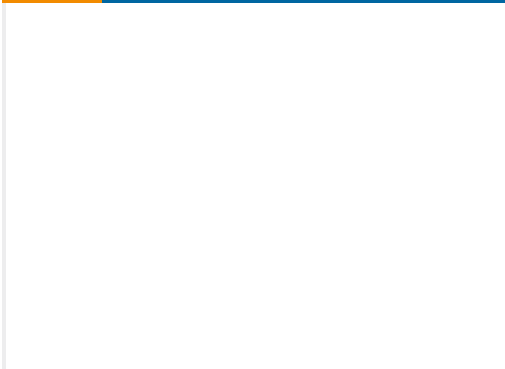
Product Compliance Disclaimer

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-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts	 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 # CAT-D487-W416 Wedgelocks: DEUTSCH DT	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts	 TE Part # DT-RT1 EXT TOOL, FRONT RELEASE
 TE Part # DTF13-12PB-G003 HDR, 12P, BLK, RA, AU/NI/CU, B	 TE Part # DT04-12PB-FL03	 TE Part # 1062-14-0177 SOC, SF, SIZE 16, 14-18, SN/SN	

Also in the Series | DEUTSCH DT

 Automotive Connector Caps & Covers (19)	 Automotive Connector Locks & Position Assurance(86)	 Automotive Housings(654)	 Connector Backshells(61)
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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 # DTM06-12SC-E007
PLG, 12P, GRN, N, XCAP, C

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

TE Part # DT04-12PD-L012
REC, 12P, BRN, N, FLANGE, D

TE Part # DT06-12SC-CE04
PLG, 12P, GRN, E, XCAP, C

TE Part # DT06-12SD-CE04
PLG, 12P, BRN, E, XCAP, D

TE Part # HD36-24-47PE
DEUTSCH HD30 Housings

TE Part # DT06-12SA-CE01
PLG, 12P, GRY, E, CAP, A

TE Part # 3-1618391-7
LEV100A6ANG=RELAY,SPST-NO, 48VDC VMT 15

TE Part # DT06-12SA-CE04
PLG, 12P, GRY, E, XCAP, A

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

Engineering Report

English

Agency Approvals

UL Report

English