



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



Nominal Voltage Architecture: 12 V, 24 V, 48 V

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 12

Sealable: Yes

Operating Temperature Range: -55 – 125 °C [-67 – 257 °F]

[All DEUTSCH DT Plug Connectors \(194\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
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

Blank Cavity Position	1, 10, 11, 12, 2, 3, 4, 5, 6, 7, 8, 9
Number of Positions	12
Number of Rows	2

Electrical Characteristics

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Operating Voltage	250 VDC
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

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

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.44 mm[.175 in]

Dimensions

Row-to-Row Spacing	9.12 mm[.359 in]
Product Width	20.83 mm[.82 in]
Product Length	33.48 mm[1.318 in]
Connector Height	40.56 mm[1.597 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	500
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 M-11030-1) Decamethylcyclopentasiloxane (D5) (.5% in Component) Octamethylcyclotetrasiloxane (D4) (.5% in M-11030-1) 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 # 1028-043-1205
BKS HL, 12P, BLK, PLG,ST, NW13/17



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



TE Part # DT06-12SB-EP06
PLG, 12P, BLK, N, SEAL RET,ENH KEY, CAP,B



TE Part # CAT-D487-H342
DEUTSCH DT Headers



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-J41-DDIC
DEUTSCH DT Integrated Component



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



TE Part # CAT-J41-DDCSR
DEUTSCH DT Connector Strain Relief



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

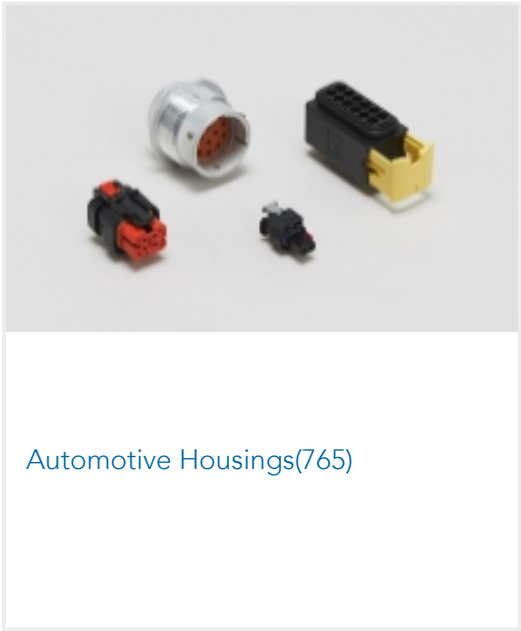


TE Part # CAT-J41-DDFRC
DEUTSCH DT Flange Receptacle Connector

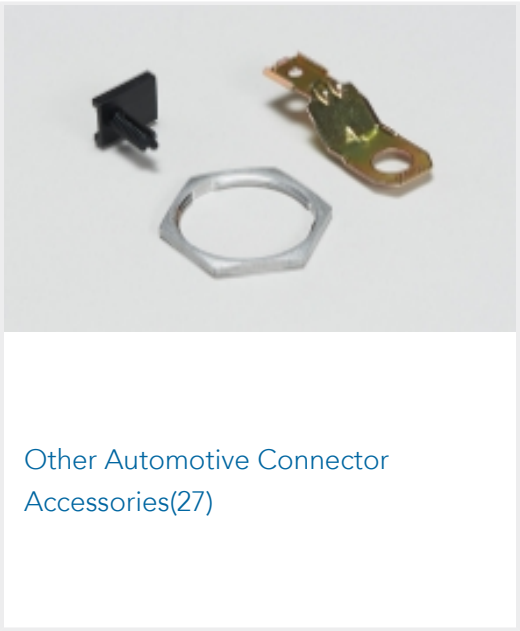
Also in the Series | DEUTSCH DT



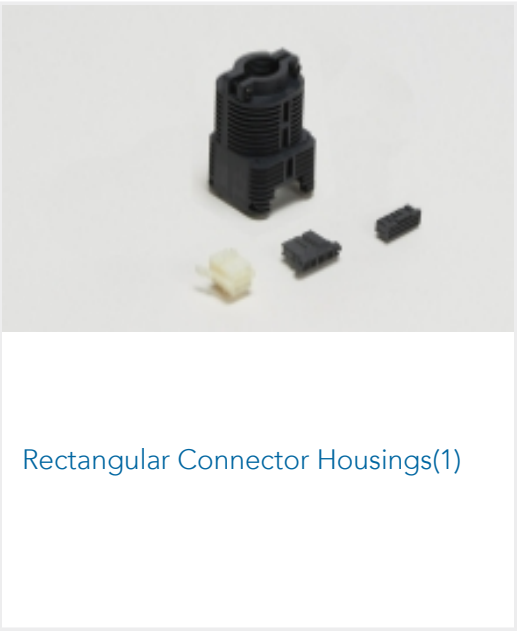
Automotive Connector Caps & Covers
(124)



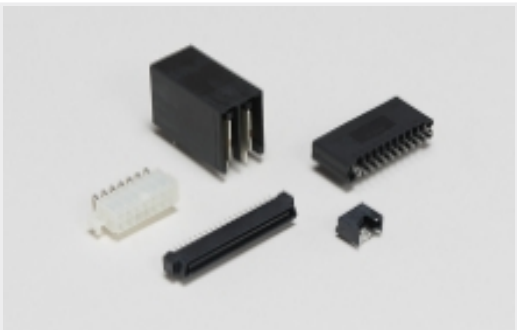
Automotive Housings(765)



Other Automotive Connector
Accessories(27)



Rectangular Connector Housings(1)



Standard Rectangular Connectors(1)



Wire-to-Board Connector Assemblies & Housings(1)

Customers Also Bought



TE Part #DT04-12PB-LE01
REC, 12P, BLK, N, CAP, FLANGE, B



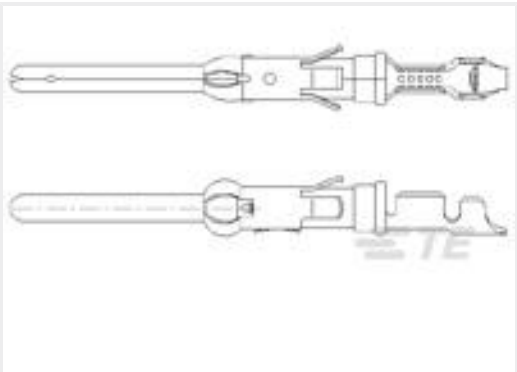
TE Part #EEC-5X650A
ENCLOSURE, 5 X 6.50, BLK, VENT



TE Part #CAT-J41-DDPC
DEUTSCH DT Plug Connectors



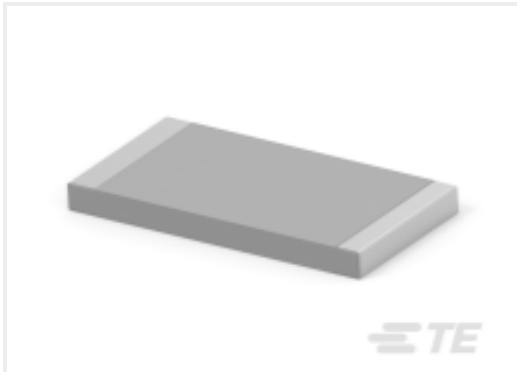
TE Part #DT13-48PABCD-R015
HDR, 48P, BLK, RA EEC, NI/CU, ABCD



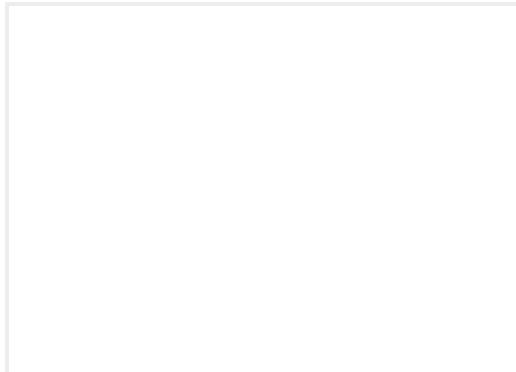
TE Part #163082-1
PIN, MALE



TE Part #CAT-H3399-C1748
Heavy Duty Sealed Connector Series
Protection Caps



TE Part #1-2176331-5
CRGP 2512 150R 1%



TE Part #2343922-1
USB2.0 TYPE C TO A CABLE
ASSEMBLY

Documents

Product Drawings
PLG, 12P, BLK, BLOCKED, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT06-12SB-C017_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SB-C017_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT06-12SB-C017_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Agency Approvals

UL Report

English