DT16-6SA-KP01 ✔ ACTIVE

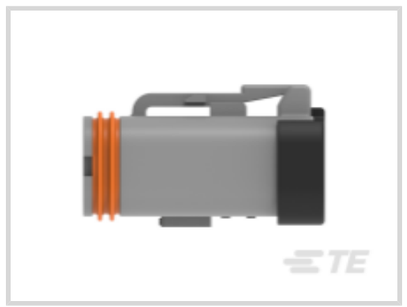
DEUTSCH | DEUTSCH DT

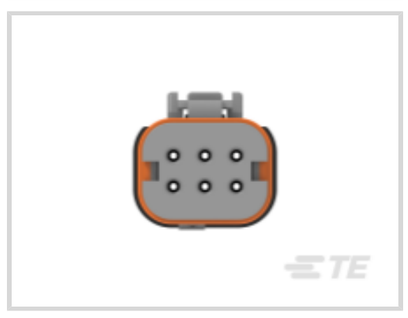
TE Internal #: DT16-6SA-KP01

12 V / 24 V / 48 V, 6 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 4.44 mm [.175 in] Centerline, Sealable, Gray, DEUTSCH DT

View on TE.com >

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: **6**

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

Connector Modification	End Cap
Number of Positions	6
Number of Rows	2

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	A

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	With
Terminal Position Assurance	No
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	4.57 mm[.18 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Product Width	20.83 mm[.82 in]
Product Length	33.73 mm[1.328 in]
Connector Height	19.58 mm[.771 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	Not Tested

Packaging Features

Packaging Quantity	960
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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in M-16139-1) Decamethylcyclopentasiloxane (D5) (.5% in 30166837911) Dodecamethylcyclohexasiloxane (D6) (.5% in M-16139-1) **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 # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # 1062-16-1422
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

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

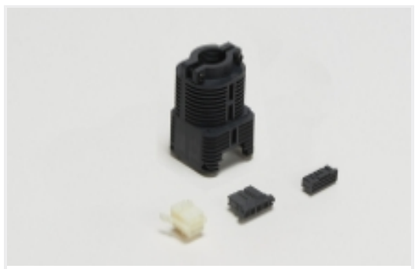
Also in the Series | DEUTSCH DT



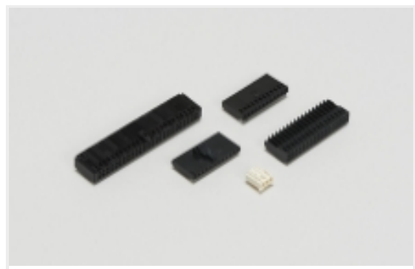
Automotive Connector Caps & Covers (19)



Circular Connector Backshells & Clamps(2)



Rectangular Connector Housings(1)



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

Customers Also Bought



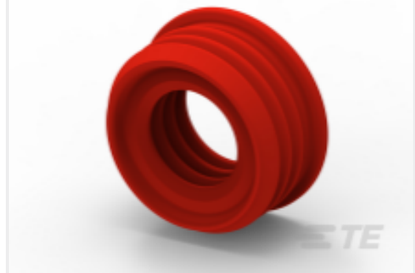
TE Part #CAT-D485-CH8172
DEUTSCH DTM Housings



TE Part #DT16-6SB-KP01
PLG, 6P, BLK, E, B



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #2355151-2
SWS,COAX



TE Part #1-2394071-2
2POS,HVP1000,ASSY,90DEG,COD C/D



TE Part #CAT-AQ4-PHA1000
PowerTube HVP-HD 1000 Accessories and Plug Components

Documents

Product Drawings

PLG, 6P, GRY, E, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT16-6SA-KP01_99_c-dt16-6sa-kp01-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT16-6SA-KP01_99_c-dt16-6sa-kp01-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT16-6SA-KP01_99_c-dt16-6sa-kp01-99.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English