

DT06-2S-TE81 ✓ ACTIVE

DEUTSCH | DEUTSCH DT

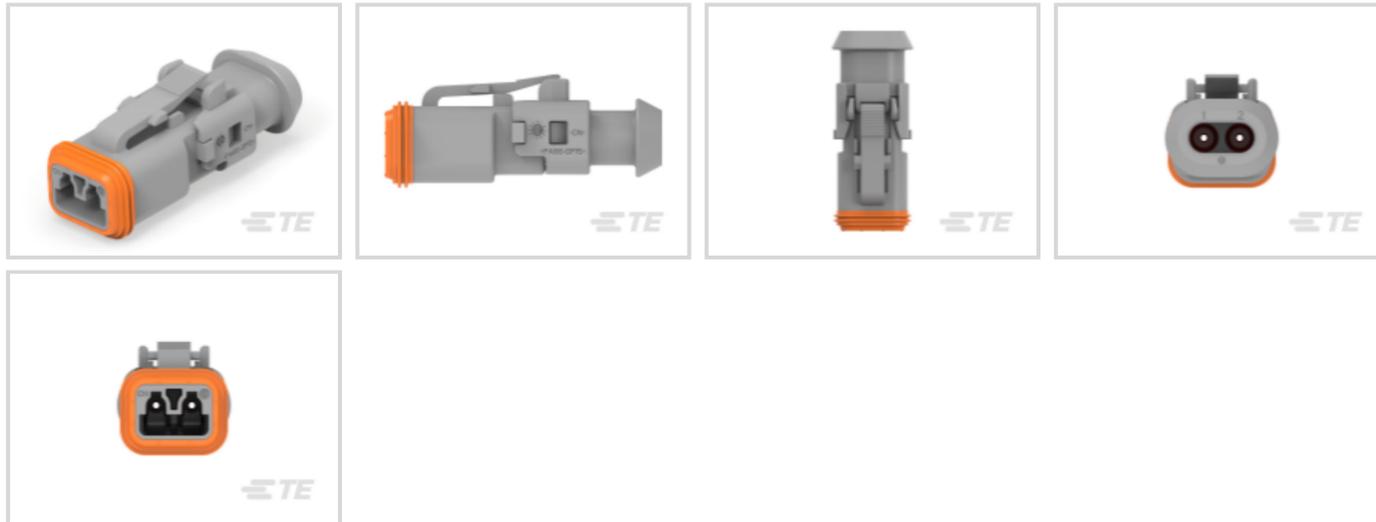
TE Internal #: 2-2303815-1

12 V / 24 V / 48 V, 2 Position, Automotive Housing for Female Terminals, Wire-to-Wire, 5.46 mm [.215 in] Centerline, Sealable, Gray, DEUTSCH DT

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH DT Connectors with snap cap



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

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

Number of Positions: 2

Sealable: **Yes**

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

[All DEUTSCH DT Connectors with snap cap \(40\)](#)

## 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	0
Connector Seal Code	E Seal
Number of Positions	2
Number of Rows	1

### 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

### Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.55 mm[.061 in]
Contact Current Rating (Max)	13 A

### Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Polarization
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	PA GF
Centerline (Pitch)	5.46 mm[.215 in]

### Dimensions

Compatible Insulation Diameter Range	1.35 – 3.05 mm[.053 – .12 in]
Product Width	17.34 mm[.683 in]
Product Length	42.2 mm[1.661 in]
Connector Height	15.77 mm[.621 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	1600
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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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-DDSCC  
DEUTSCH DT Connectors with snap cap



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



TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-D48-SFT273  
DEUTSCH Connector Stamped and Formed Contacts - Reel



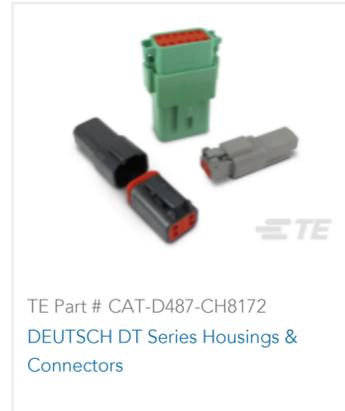
TE Part # 1062-16-1422  
SOC, SF, SIZE 16, 12-16, SLVLES, NI/NI



TE Part # DT-RT1  
EXT TOOL, FRONT RELEASE



TE Part # 1011-344-0205  
DUST CAP, 2P, PLG, BLK, DT



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 # CAT-J41-DDCC  
DEUTSCH DT Color Connectors



TE Part # CAT-D48-ST273  
DEUTSCH Connector Solid Contacts



TE Part # CAT-D485-CH8172  
DEUTSCH DTM Housings



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



TE Part # CAT-D487-H342  
DEUTSCH DT Headers



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



TE Part # 1010-126-0206  
FRONT SEAL



TE Part # DT04-2P-L012  
REC, 2P, GRY, N, FLANGE

Also in the Series | **DEUTSCH DT**



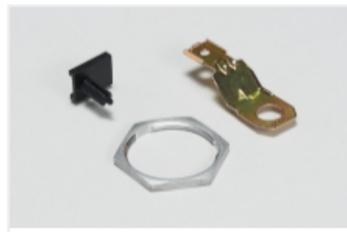
Automotive Housings(767)



Automotive Seals & Cavity Plugs(18)



Infotainment & Multimedia Cable Assemblies(1)



Other Automotive Connector Accessories(27)

## Customers Also Bought



TE Part #0410-241-0406  
INSERT SEAL, CRIMP SLEEVE REDUCER



TE Part #DT04-4P-EP13  
REC, 4P, BLK, BUSBAR, NICKEL



TE Part #DT12P-BT  
BOOT, 12P, REC, ST, GRY



TE Part #1718758-2  
MCON 1.2 LL TAB SWS AU



TE Part #1813123-2  
ASSY FOR SUPPORT PLATE AND SEALING



TE Part #2141970-1  
MCON 1.2 LL REC SWS SN



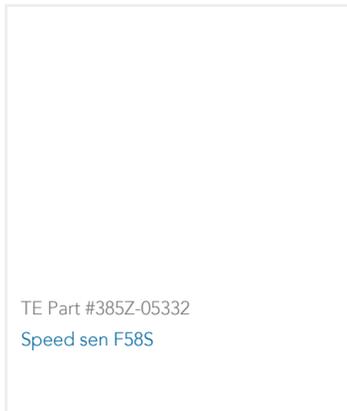
TE Part #2273001-1  
M8 x 1.0 straight socket Pigtail



TE Part #2273107-4  
M12 Y conn Male to 2xM12 Female A



TE Part #2-2303812-3  
DT04-2P-TN82, REC, 2P, BLK, N, SNAPXCAP



TE Part #385Z-05332  
Speed sen F58S

## Documents

### Product Drawings

[DT06-2S-TE81, PLG, 2P, GRY, E, SNAPXCAP](#)

English

### CAD Files

[3D PDF](#)

3D

### Customer View Model

[ENG\\_CVM\\_CVM\\_2-2303815-1\\_A.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-2303815-1\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_2-2303815-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Product Specifications**

[Application Specification](#)

English

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**Agency Approvals**

[UL Report](#)

English