

DT06-6S ✓ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT06-6S

DEUTSCH DT, Housing for female terminals, Wire-to-Wire, 6 Position, 9.12mm [.359in] Centerline, Sealable, Gray, Wire & Cable

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Connectors > Automotive, Truck, Bus, & Off-Road Connectors > Connector Housings > DEUTSCH DT HOUSINGS



Connector Style: **Housing for female terminals**

Mating Pin Diameter: **1.59 mm [.0625 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **6**

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

[All DEUTSCH DT HOUSINGS \(421\)](#)

Features

Product Type Features

| | |
|-----------------------------------|------------------------------|
| Row-to-Row Spacing | 4.45 mm [.175 in] |
| Connector Style | 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 |
| Strain Relief | Add By Accessory |

Configuration Features

| | |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions | 6 |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

| | |
|------------------|------|
| Cable Exit Angle | 180° |
|------------------|------|



| | |
|---------------|-------|
| Body Material | PA GF |
|---------------|-------|

| | |
|-------|------|
| Color | Gray |
|-------|------|

Contact Features

| | |
|---------------------|-------------------|
| Mating Pin Diameter | 1.59 mm[.0625 in] |
|---------------------|-------------------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 13 A |
|------------------------------|------|

Mechanical Attachment

| | |
|-----------------------------|-----|
| Terminal Position Assurance | Yes |
|-----------------------------|-----|

| | |
|------------------|---------|
| Mounting Feature | Without |
|------------------|---------|

| | |
|-----------|-----|
| Polarized | Yes |
|-----------|-----|

Housing Features

| | |
|--------------------|------------------|
| Centerline (Pitch) | 9.12 mm[.359 in] |
|--------------------|------------------|

Dimensions

| | |
|--------|-------------------|
| Height | 22.63 mm[.891 in] |
|--------|-------------------|

| | |
|--------|--------------------|
| Length | 30.94 mm[1.218 in] |
|--------|--------------------|

| | |
|-------|-------------------|
| Width | 18.19 mm[.716 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 Method | Box |
|------------------|-----|

| | |
|--------------------|-----|
| Packaging Quantity | 900 |
|--------------------|-----|

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 2020 (205) Candidate List Declared Against: JAN 2020 (205) 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 Model / Part # CAT-D487-CH8172
DEUTSCH DT HOUSINGS



TE Model / Part # CAT-D487-B128
DEUTSCH DT BACKSHELLS



TE Model / Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS



TE Model / Part # CAT-D487-H342
DEUTSCH DT HEADERS



TE Model / Part # CAT-D487-P729
DEUTSCH DT DUST CAPS




TE Model / Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Model / Part # CAT-D487-W416
DEUTSCH DT WEDGELOCKS



TE Model / Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Model / Part # CAT-AM7801-P729
AMPSEAL 16 SEALING PLUGS



TE Model / Part # DT-RT1
EXT TOOL, FRONT RELEASE




TE Model / Part # DT6S-BT-BK
BOOT, 6P, PLG, ST, BLK




TE Model / Part # DT6S-BT
BOOT, 6P, PLG, ST, GRY




TE Model / Part # 1062-16-1244
SOCKET, S&F, SIZE 16, 12-16AWG, GOLD




TE Model / Part # DT6S-BT-YW
BOOT, 6P, PLG, ST, YEL



TE Model / Part # DT13-6P-G003
HDR, 6P, GRY, RA, AU/NI/CU




TE Model / Part # 1062-14-1088
SKT, S&F, SIZE 16, 14-18AWG, PD/NI/AU




TE Model / Part # 0462-222-1631
CONT SOC ASM



TE Model / Part # 1062-14-0177
SOCKET, S&F, SIZE 16, 14-18AWG, TIN




TE Model / Part # 1062-16-0744
SOCKET, S&F, SIZE 16, 14-18AWG, GOLD

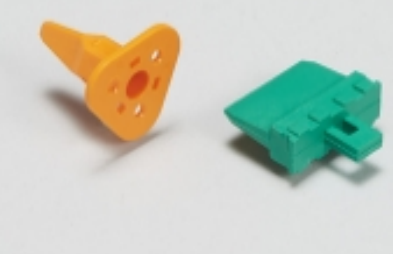


TE Model / Part # 1062-16-0777
SOCKET, S&F, SIZE 16, 14-18AWG, TIN


Also in the Series | DEUTSCH DT




Automotive Connector Caps & Covers (70)




Automotive Connector Locks & Position Assurance(62)




Automotive Seals & Cavity Plugs(4)



Automotive, Truck, Bus, & Off-Road Headers(82)



Automotive, Truck, Bus, & Off-Road Housings(560)



Other Automotive Connector Accessories(13)

Documents



Product Drawings

[PLG, 6P, GRY, N](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DT06-6S_99_c-dt06-6s-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S_99_c-dt06-6s-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DT06-6S_99_c-dt06-6s-99.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_DT06-6S_02022018144_dmtec](#)

English

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English
