

DT15-6P-GP01

✓ ACTIVE

DEUTSCH | DEUTSCH DT

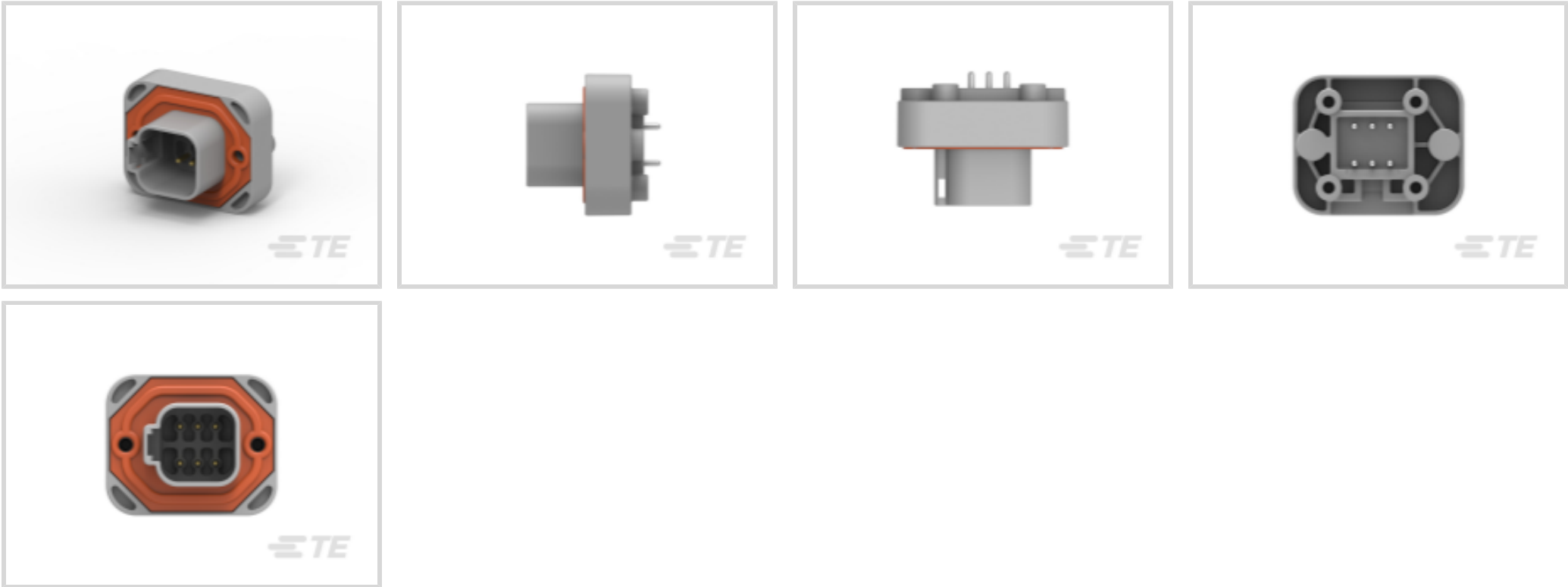
TE Internal #: DT15-6P-GP01

PCB Mount Header, Vertical, Wire-to-Board, 6 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, Sealable, DEUTSCH DT

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Connectors > PCB Connectors > PCB Headers & Receptacles > DEUTSCH DT Headers



Connector System: **Wire-to-Board**  
Number of Positions: **6**  
Centerline (Pitch): **1.45 mm [.175 in]**  
Sealable: **Yes**  
PCB Mount Orientation: **Vertical**

[All DEUTSCH DT Headers \(73\)](#)

Features

Product Type Features

|                                   |                  |
|-----------------------------------|------------------|
| Mixed & Hybrid Header             | No               |
| Connector Shape                   | Rectangular      |
| PCB Connector Assembly Type       | PCB Mount Header |
| Header Type                       | Fully Shrouded   |
| Connector System                  | Wire-to-Board    |
| Sealable                          | Yes              |
| Connector & Contact Terminates To | Wire & Cable     |

Configuration Features

|                            |          |
|----------------------------|----------|
| Number of Sections         | 1        |
| Number of Signal Positions | 6        |
| Number of Positions        | 6        |
| PCB Mount Orientation      | Vertical |
| Number of Rows             | 2        |



Electrical Characteristics

|                              |            |
|------------------------------|------------|
| Voltage Rating (Max)         | 250 VAC    |
| Nominal Voltage Architecture | 12 V, 24 V |
| Operating Voltage            | 250 VAC    |

Body Features

|                       |      |
|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|

Contact Features

|                                      |                  |
|--------------------------------------|------------------|
| Contact Size                         | Size 16          |
| Contact Type                         | Pin              |
| Mating Pin Diameter                  | 1.59 mm[.063 in] |
| Contact Mating Area Plating Material | Gold             |
| Contact Current Rating (Max)         | 13 A             |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---------------------------------------------|-----------------------|

Mechanical Attachment

|                          |                   |
|--------------------------|-------------------|
| Mounting Holes           | With              |
| Mating Alignment Type    | Not Keyed         |
| Mating Retention         | With              |
| Mating Alignment         | Without           |
| PCB Mount Alignment      | Without           |
| Panel Mount Feature      | With              |
| PCB Mount Retention      | With              |
| PCB Mount Retention Type | Mounting Screw    |
| Mating Retention Type    | Locking Interface |
| Connector Mounting Type  | Panel Mount       |

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 1.45 mm[.175 in] |
|--------------------|------------------|

Dimensions

|                             |                               |
|-----------------------------|-------------------------------|
| Connector Length            | 39.5 mm[1.555 in]             |
| Connector Width             | 42.8 mm[1.685 in]             |
| PCB Thickness (Recommended) | .78 - 2.36 mm[.031 - .093 in] |
| Profile Height from PCB     | 35.26 mm[1.388 in]            |



Usage Conditions

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

Operation/Application

|                     |                |
|---------------------|----------------|
| Shielded            | No             |
| Circuit Application | Power & Signal |

Industry Standards

|                        |            |
|------------------------|------------|
| Degree of Protection   | Not Tested |
| UL Rating              | Recognized |
| UL Flammability Rating | UL 94V-0   |

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 210 |
| Packaging Method   | Box |

Other

|                  |         |
|------------------|---------|
| Interface Number | DT04-6P |
|------------------|---------|

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)<br>Candidate List Declared Against: JAN 2024 (240)<br>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

|                                                                                                                                                           |                                                                                                                                                             |                                                                                                                                                    |                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <br>TE Part # DT06-6S-C017<br>PLG, 6P, GRY, BLOCKED                      | <br>TE Part # DT06-6S-CE02<br>PLG, 6P, BLK, E                              | <br>TE Part # DT06-6S-CE13<br>PLG, 6P, BLK, E, SEAL RET, XCAP   | <br>TE Part # DT06-6S-EP04<br>PLG, 6P, GRY, N, CAP        |
| <br>TE Part # DT06-6S-LC01<br>PLG, 6P, BLK, E, SEAL RET,DIN BKSHL ADPT | <br>TE Part # CAT-D487-CH8172<br>DEUTSCH DT Series Housings & Connectors | <br>TE Part # DT06-6S-E008<br>PLG, 6P, GRY, N, XCAP           | <br>TE Part # DT06-6S-E004<br>PLG, 6P, BLK, N           |
| <br>TE Part # DT06-6S-E003<br>PLG, 6P, GRY, N, CAP                     | <br>TE Part # DT06-6S-E005<br>PLG, 6P, BLK, N, CAP                       | <br>TE Part # DT06-6S-EP11<br>PLG, 6P, BLK, N, SEAL RET, XCAP | <br>TE Part # DT06-6S-CE01<br>PLG, 6P, GRY, E, CAP      |
| <br>TE Part # DT06-6S<br>PLG, 6P, GRY, N                               | <br>TE Part # DT06-6S-C015<br>PLG, 6P, GRY, E                            | <br>TE Part # DT06-6S-CE06<br>PLG, 6P, BLK, E, SEAL RET       | <br>TE Part # DT06-6S-P012<br>PLG, 6P, BLK, N, SEAL RET |



TE Part # DT06-6S-EP06  
PLG, 6P, BLK, N, SEAL RET, CAP



TE Part # DT06-6S-CE05  
PLG, 6P, BLK, E, SEAL RET, CAP



TE Part # DT06-6S-L019  
PLG, 6P, BLK, N, SEAL RET,DIN BKSHL ADPT

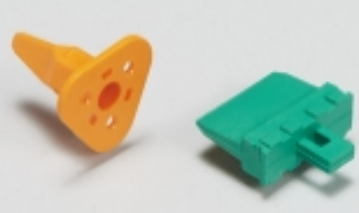


TE Part # DT06-6S-P004  
PLG, 6P, GRY, N

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(86)



Automotive Housings(654)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



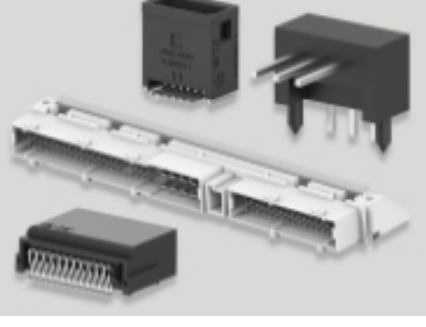
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(105)

Customers Also Bought



TE Part # W8S-P012  
WEDGE LOCK, 8P, PLG, GRN, SL RET, DT



TE Part # DT04-2P-CE01  
REC, 2P, GRY, E, CAP



TE Part # 0413-204-2005  
SEALING PLUG, SIZE 20, RED



TE Part # DT15-2P-P010  
DEUTSCH DT Headers



TE Part # DT06-08SA-CE10  
PLG, 8P, BLK, E, SEAL RET, A

TE Part # 0460-202-2031  
PIN, SOLID, SIZE 20, 20AWG, AU

TE Part # 1011-046-0405  
SEAL RET, 4P, GRY, DTM

TE Part # 2176463-9  
HCH165 200W 220R 5% LEAD

TE Part # 1544676-1  
1.5 MM PIN HSG 7W SEALED

Documents

Product Drawings

HDR, 6P, GRY, ST, 5 PSI, AU/NI/CU

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_DT15-6P-GP01\_99.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DT15-6P-GP01\_99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DT15-6P-GP01\_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



[Agency Approvals](#)

[UL Report](#)

English