# DTF13-2P ✔ ACTIVE

DEUTSCH | DEUTSCH DT

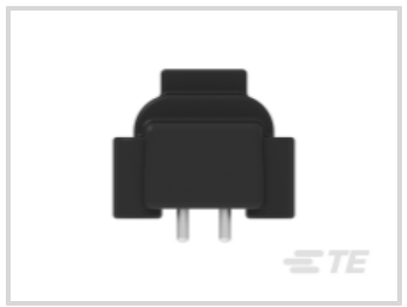
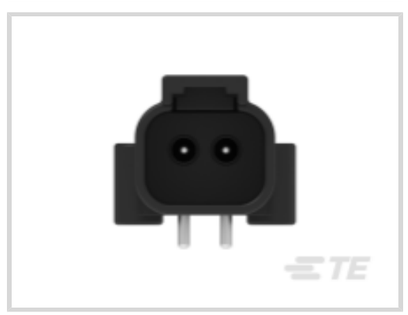
TE Internal #: DTF13-2P

PCB Mount Header, Right Angle, Wire-to-Board, 2 Position, 5.46 mm [.215 in] Centerline, Fully Shrouded, Tin, Through Hole - Solder, DEUTSCH DT

View on TE.com >

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



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

Number of Positions: **2**

Centerline (Pitch): **5.46 mm [ .215 in ]**

Sealable: **Yes**

PCB Mount Orientation: **Right Angle**

All DEUTSCH DT Headers (72)

## 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 | 2 |
| Number of Positions | 2 |
| PCB Mount Orientation | Right Angle |
| Number of Rows | 1 |

## Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Primary Product Color | Black |

## Contact Features

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

## Termination Features

| | |
|---|---|
| Termination Method to PCB | 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 | Without |
| PCB Mount Retention | With |
| PCB Mount Retention Type | Mounting Screw |
| Mating Retention Type | Locking Interface |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 5.46 mm[.215 in] |

## Dimensions

| | |
|---|---|
| Connector Length | 30.24 mm[1.191 in] |
| Connector Width | 23.52 mm[.926 in] |
| PCB Thickness (Recommended) | .78 – 2.36 mm[.031 – .093 in] |
| Profile Height from PCB | 19.3 mm[.76 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 | 728 |
| Packaging Method | Box |

## Other

| | |
|---|---|
| Interface Number | DT04-2P |

# Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Pb (2.75% in Component Part)<br>**Article Safe Usage Statements:**<br>Do not eat, drink or smoke when using this product. 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

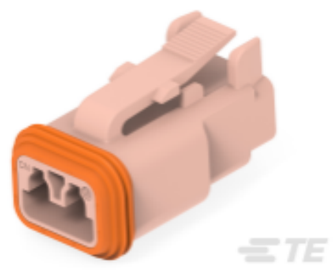
## Compatible Parts



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



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

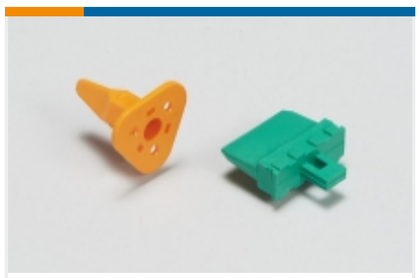


TE Part # CAT-J41-DDCC
DEUTSCH DT Color Connectors

## Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(705)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



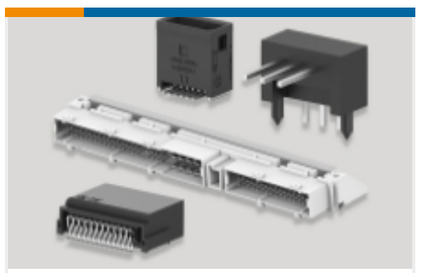
Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(106)

## Customers Also Bought



TE Part #1-2176053-7
RLP73N 2A R24 1% 1K RL



TE Part #DT06-2S-LC01
PLG, 2P, BLK, E, SL RT, DIN BKSHL ADPT



TE Part #DT04-12PA-LE06
REC, 12P, GRY, E, CAP, FLANGE, A



TE Part #DTF13-12PA
HDR, 12P, GRY, RA, SN/NI/CU, A



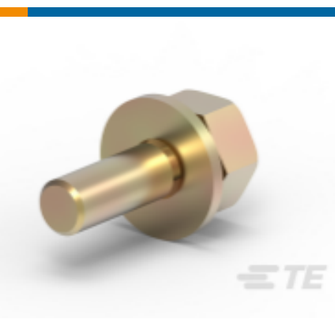
TE Part #1-1718485-5
CARRIER FOR RECEPT. INSERTS 36 POS



TE Part #1011-331-0205
BKSHL, 2P, BLK, PLG, RA, NW 8.5/10



TE Part #DTM12P-DC
PROTECT CVR, 12P, REC, GRY, DTM



TE Part #HC5881
BAT 1/4" UNC BOLT/WASHER ASSMB



TE Part #2226913-1
CONTACT, PIN, CRIMPED, SIZE 23



TE Part #HC5734
LEAD CONNECTOR 50mm +VE

## Documents

### Product Drawings

HDR, 2P, BLK, RA, SN/NI/CU

English

### CAD Files

Customer View Model

ENG_CVM_CVM_DTF13-2P_99.2d_dxf.zip

English

3D PDF

## 3D

### Customer View Model

ENG_CVM_CVM_DTF13-2P_99.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_DTF13-2P_99.3d_stp.zip

English

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

## Datasheets & Catalog Pages

### ICT Terminals and Connectors Catalogue

English

### CONNECTOR SELECTOR

English

## Product Specifications

### Application Specification

English

## Agency Approvals

### UL Report

English