# DT13-48PABCD-R015 V ACTIVE

### DEUTSCH | DEUTSCH DT

TE Internal #: DT13-48PABCD-R015

PCB Mount Header, Right Angle, Wire-to-Board, 48 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Nickel, Through Hole -

Solder, DEUTSCH DT

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



Connector System: Wire-to-Board

Number of Positions: 48

Centerline (Pitch): 1.45 mm [.175 in]

Sealable: Yes

PCB Mount Orientation: Right Angle

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	4
Connector Modification	PCB Enclosure Header
Number of Signal Positions	48
Number of Positions	48
PCB Mount Orientation	Right Angle
Number of Rows	2
Electrical Characteristics	

250 VAC

12 V, 24 V

Voltage Rating (Max)

Nominal Voltage Architecture



Operating Voltage	250 VAC
Body Features	
Primary Product Color	Black
Connector & Keying Code	ABCD
Contact Features	
Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Mating Area Plating Material	Nickel
Contact Current Rating (Max)	13 A
Termination Features	
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mounting Holes	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
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)	1.45 mm[.175 in]
Dimensions	
Connector Length	58.37 mm[2.298 in]
Connector Width	142.74 mm[5.62 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	53.25 mm[2.097 in]
Usage Conditions	
Operating Temperature (Max)	125 °C[257 °F]



### Operation/Application

Shielde	d	No

# Circuit Application Power & Signal

## **Industry Standards**

Degree of Protection	Not Tested
UL Rating	None
UL Flammability Rating	Not tested

## **Packaging Features**

Packaging Quantity	24
Packaging Method	Box

### Other

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Interface Number	DT04-12PA

## **Product Compliance**

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

ELLD. LIC D'' . 2011 // E / ELL	
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 2024 (241)  Candidate List Declared Against: JUNE 2024 (241)  SVHC > Threshold:  Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)  Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)  Decamethylcyclopentasiloxane (D5) (.5% in Component Part)  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**

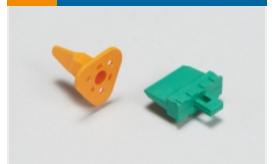




# Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (19)



Automotive Connector Locks & Position Assurance(87)



Automotive Housings(706)



Connector Backshells(61)



Connector Seals & Cavity Plugs(6)



Connector Strain Relief(28)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(28)





# Customers Also Bought

















## **Documents**

## **Product Drawings**

HDR, 48P, BLK, RA EEC, NI/CU, ABCD

English

### **CAD Files**

#### 3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_DT13-48PABCD-R015\_99\_c-dt13-48pabcd-r015-99.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DT13-48PABCD-R015\_99\_c-dt13-48pabcd-r015-99.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_DT13-48PABCD-R015\_99\_c-dt13-48pabcd-r015-99.3d\_stp.zip

English

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

PCB Mount Header, Right Angle, Wire-to-Board, 48 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Nickel, Through Hole - Solder, DEUTSCH DT



Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

**Product Specifications** 

**Application Specification** 

English