

DT13-48PABCD-GR02

✓ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT13-48PABCD-GR02

PCB Mount Header, Right Angle, Wire-to-Board, 48 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Sealable

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **48**

Number of Rows: **2**

[All DEUTSCH DT Headers \(72\)](#)

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	48
Number of Sections	4
PCB Mount Orientation	Right Angle
Number of Positions	48
Number of Rows	2



Electrical Characteristics

Operating Voltage	250 VDC
Voltage Rating (Max)	250 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Connector & Keying Code	ABCD
Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.59 mm[.063 in]
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Type	Pin
Contact Current Rating (Max)	13 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	Without
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
PCB Mount Retention Type	Mounting Screw
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

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

Connector Width	142.74 mm[5.62 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Connector Length	58.37 mm[2.298 in]
Profile Height from PCB	53.25 mm[2.097 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

IP Rating	Not Tested
UL Rating	None
UL Flammability Rating	Not Tested

Packaging Features

Packaging Quantity	24
Packaging Method	Box

Other

Interface Number	DT04-12PA
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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: 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) <small>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.</small>
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-D485-EN17
DEUTSCH PCB Enclosures



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




TE Part # DT13-48PABCD-R015
HDR, 48P, BLK, RA EEC, NI/CU, ABCD

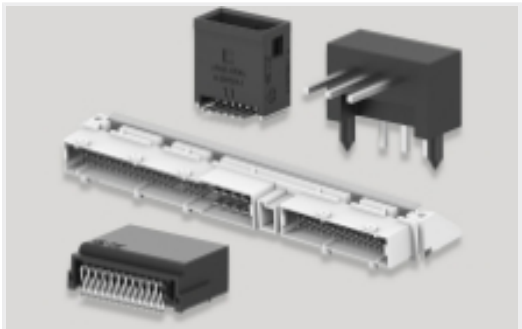


TE Part # DT-RT1
EXT TOOL, FRONT RELEASE


Also in the Series | DEUTSCH DT




Automotive Connector Caps & Covers
(19)



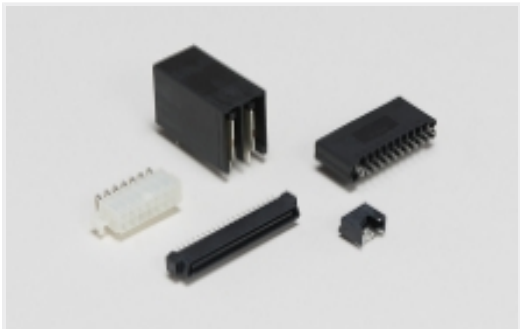
PCB Headers & Receptacles(107)



Rectangular Connector Housings(1)



Rectangular Power Connectors(77)



Standard Rectangular Connectors(1)

Customers Also Bought

DT13-48PABCD-GR02

PCB Mount Header, Right Angle, Wire-to-Board, 48 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Sealable






TE Part #4-1437565-1
FSM4JSMA=SMT,TACTILE,PB SWITCH



TE Part #1473005-1
SEMI HARD TRAY DDR SOCKET 200P



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #DT13-48PABCD-R015
HDR, 48P, BLK, RA EEC, NI/CU, ABCD

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT13-48PABCD-GR02_1.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT13-48PABCD-GR02_1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT13-48PABCD-GR02_1.3d_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English