

DT15-12PA

✓ ACTIVE

DEUTSCH | DEUTSCH DT

TE Internal #: DT15-12PA
PCB Mount Header, Vertical, Wire-to-Board, 12 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: **12**
Centerline (Pitch): **1.45 mm [.175 in]**
Sealable: **Yes**
PCB Mount Orientation: **Vertical**

[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	12
Number of Positions	12
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
Connector & Keying Code	A

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
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Mechanical Attachment

Mounting Holes	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
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]
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Dimensions

Connector Length	39.5 mm[1.555 in]
Connector Width	59.21 mm[2.331 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	100
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) 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

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

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

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)


PCB Headers & Receptacles(106)




Customers Also Bought




TE Part #5499786-5
A/L UNIV HDR 24P RA LG LAT




TE Part #2176400-5
3540 1R5 1%




TE Part #2-2176347-8
CRGCQ 2010 1K8 1%




TE Part #DRC23-64PAA
HDR, 64P, BLK, RA, AU/NI/CU, AA



TE Part #DT15-4P
DEUTSCH DT Headers



TE Part #1SNA103940R0200
AF50 COLISE PAR 2000 PIECES



TE Part #1203931-1

Documents

Product Drawings

HDR, 12P, GRY, ST, NI/CU, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT15-12PA_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT15-12PA_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT15-12PA_E.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