

DTF13-12PA

✓ ACTIVE

DEUTSCH | DEUTSCH DT

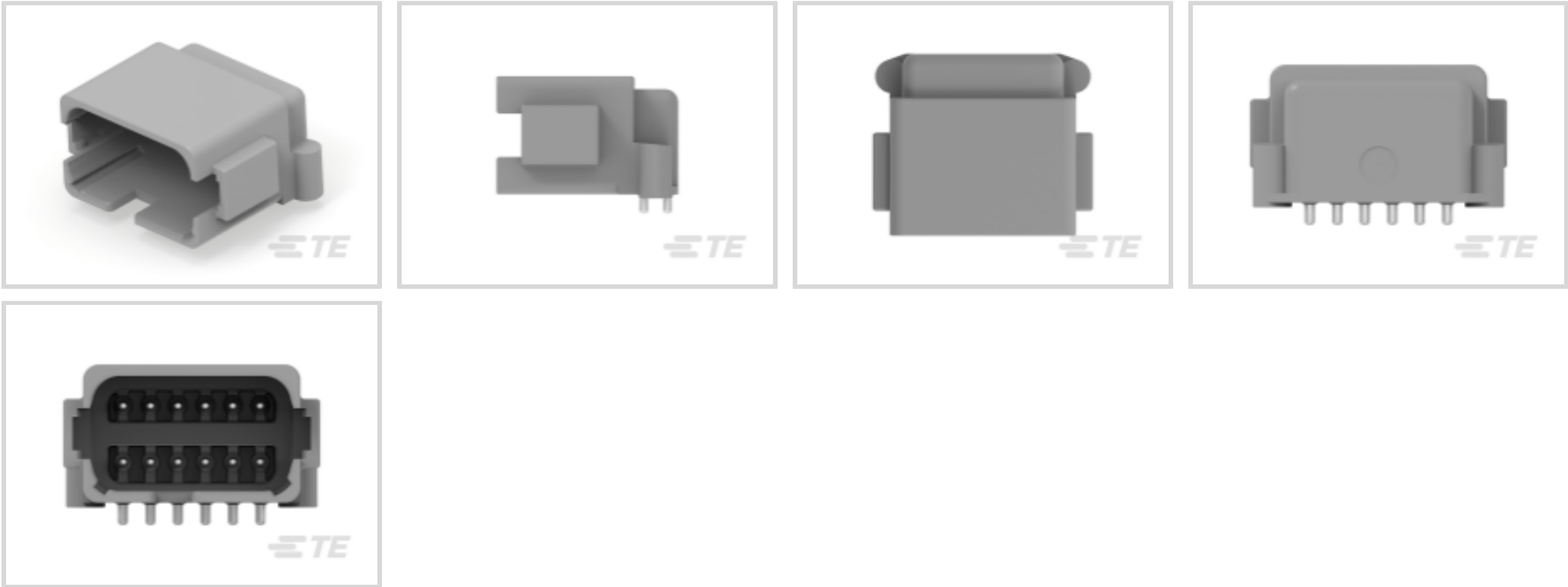
TE Internal #: DTF13-12PA

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, DEUTSCH DT

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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: **12**

Number of Rows: **2**

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector Shape	Rectangular
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	12
Number of Sections	1
PCB Mount Orientation	Right Angle
Number of Positions	12



Number of Rows	2
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Electrical Characteristics

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

Body Features

Connector & Keying Code	A
Primary Product Color	Gray

Contact Features

Mating Pin Diameter	1.59 mm[.063 in]
Contact Size	Size 16
Contact Mating Area Plating Material	Tin (Sn)
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
Mating Alignment Type	Keyed
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	41.58 mm[1.637 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]



Profile Height from PCB	23.01 mm[.906 in]
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Connector Length	34.29 mm[1.35 in]
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Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
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Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Shielded	No
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Circuit Application	Power & Signal
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Industry Standards

IP Rating	Not Tested
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UL Rating	Recognized
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	280
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Packaging Method	Box
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Other

Interface Number	DT04-12PA-B016
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Pb (3.7% in 4902378) Article Safe Usage Statements: 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.
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not reviewed for solder process capability
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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-H342
DEUTSCH DT Headers

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

Also in the Series | DEUTSCH DT

Automotive Connector Caps & Covers
(19)

Connector Caps & Covers(1)

Rectangular Connector Housings(1)

Rectangular Power Connectors(77)

Standard Rectangular Connectors(1)

Customers Also Bought

DTF13-12PA

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 1.45 mm [.175 in] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, DEUTSCH DT



TE Part #DTMF15-48P
HDR, 48P, BLK, ST, NI/CU, ABCD

TE Part #OTX-433-HH-KF3-MS
Remote MS 433MHz OOK AM 3Btn KF TX EU

TE Part #2226923-1
CONTACT, SOCKET, HOODED, CRIMP, SIZE23

TE Part #CAT-D487-H342
DEUTSCH DT Headers

TE Part #Y72541-09-98PAV004
HERM RECP

TE Part #Y72538-17-35DAV004
HERM RECP

TE Part #Y72538-21-11SNV004
HERM RECP

Documents

Product Drawings

HDR, 12P, GRY, RA, SN/NI/CU, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTF13-12PA_99_c-dtf13-12pa-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTF13-12PA_99_c-dtf13-12pa-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTF13-12PA_99_c-dtf13-12pa-99.3d_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications



Application Specification

English

Agency Approvals

UL Report

English