DT13-12PC ✔ ACTIVE

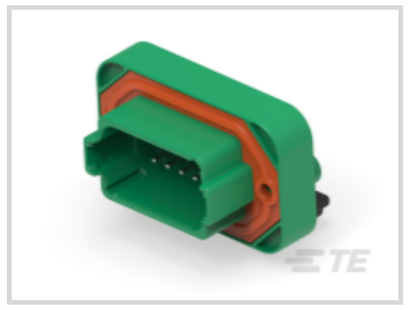
DEUTSCH | DEUTSCH DT

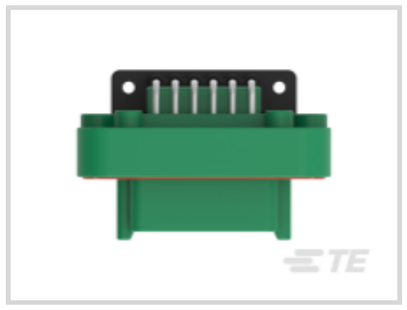
TE Internal #: DT13-12PC

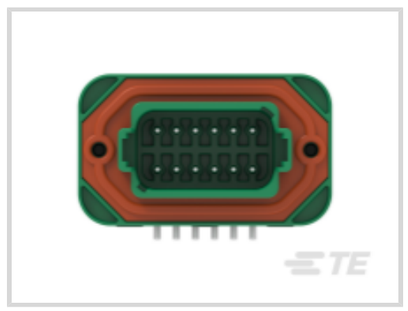
Right Angle, Wire-to-Board, 12 Position, 2 Rows, 1.45mm [.175in] Centerline, Nickel (Ni), Sealable, Wire & Cable, DEUTSCH DT

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > DEUTSCH DT Headers







PCB Mount Orientation: **Right Angle**

Contact Current Rating (Max): **13 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **Yes**

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

All DEUTSCH DT Headers (73)

Features

Product Type Features

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

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	C
Primary Product Color	Green

Contact Features

Mating Pin Diameter	1.59 mm[.063 in]
Contact Type	Pin
Contact Current Rating (Max)	13 A
Contact Mating Area Plating Material	Nickel (Ni)

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Centerline (Pitch)	1.45 mm[.175 in]

Dimensions

Connector Width	59.21 mm[2.331 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Connector Length	39.5 mm[1.555 in]
Profile Height from PCB	35.26 mm[1.388 in]

Usage Conditions

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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 Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	100
Packaging Method	Box

Other

Interface Number	DT04-12PC

Product Compliance

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

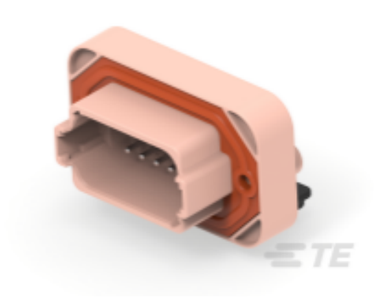
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in 27519855180) Octamethylcyclotetrasiloxane (D4) (.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

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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 # DT13-12PD
HDR, 12P, BRN, RA, NI/CU, D



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

TE Part # 1013-006-1206
SEAL, FLANGE, 12P, DT13/15



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



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

Also in the Series | DEUTSCH DT



Automotive Housings(770)



Connector Caps & Covers(1)

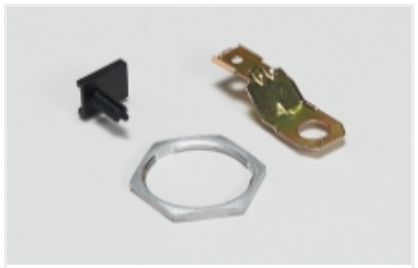


Connector Strain Relief(38)



Infotainment & Multimedia Cable Assemblies(1)

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Other Automotive Connector Accessories(27)



Rectangular Backshells & Clamps(3)

Customers Also Bought



TE Part #CAT-D799-H342
DEUTSCH DRC Headers



TE Part #DT04-08PB-C015
REC, 8P, BLK, E, B



TE Part #CAT-D487-H342
DEUTSCH DT Headers



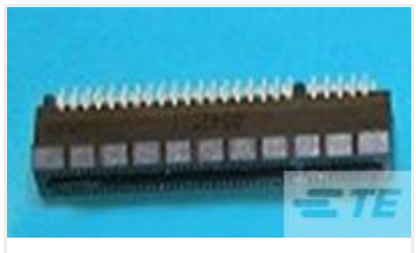
TE Part #FC2311-0000-2000-L
FC23 MV 2FT CABLE 2000L



TE Part #3-1624112-7
3650 0402 6.8nH 5% 2K RL



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



TE Part #5645235-4
CONN SEC II 18 POS 100C/L

TE Part #2007198-9
SFP+ 1x1 Cage Assembly, Press-

Documents

HDR, 12P, GRN, RA, NI/CU, C

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DT13-12PC_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DT13-12PC_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DT13-12PC_D.3d_stp.zip

English

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TERMINALS AND CONNECTORS

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English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Application Specification

English

Agency Approvals

UL Report

English

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