DTF13-12PB ✔ ACTIVE

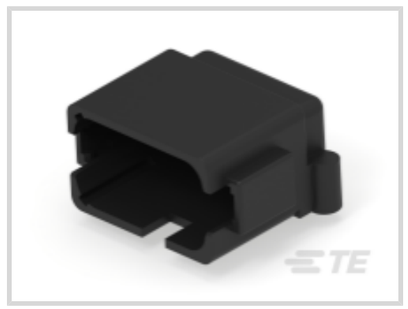
DEUTSCH | DEUTSCH DT

TE Internal #: DTF13-12PB

Right Angle, Wire-to-Board, 12 Position, 2 Row, 1.45mm [.175in] Centerline, Tin (Sn), 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

Electrical Characteristics

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

Body Features

Connector & Keying Code	B
Primary Product Color	Black

Contact Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
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	Board Mount

Housing Features

Centerline (Pitch)	1.45 mm[.175 in]

Dimensions

Connector Width	41.58 mm[1.637 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Connector Length	34.29 mm[1.35 in]
Profile Height from PCB	23.01 mm[.906 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 Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	280
Packaging Method	Box

Other

Interface Number	DT04-12PB-B016

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) 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.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer

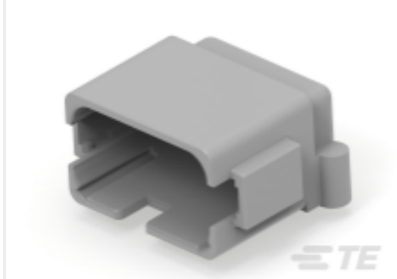
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



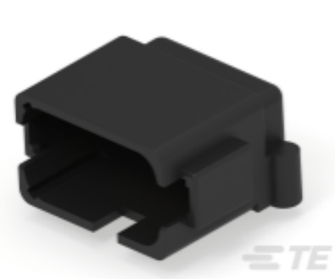
TE Part # CAT-J41-DDPC
DEUTSCH DT Plug Connectors



TE Part # DTF13-12PA
HDR, 12P, GRY, RA, SN/NI/CU, A

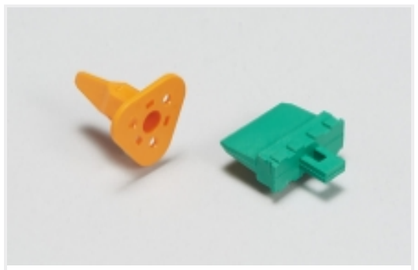


TE Part # CAT-D487-CH8172
DEUTSCH DT Series Housings & Connectors



TE Part # DTF13-12PB-G003
HDR, 12P, BLK, RA, AU/NI/CU, B

Also in the Series | DEUTSCH DT



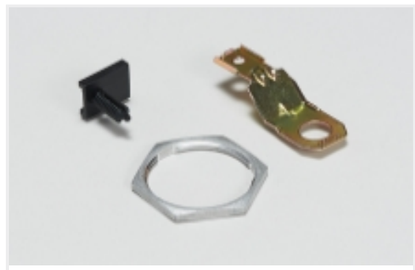
Automotive Connector Locks & Position Assurance(91)



Automotive Seals & Cavity Plugs(18)



Infotainment & Multimedia Cable Assemblies(1)

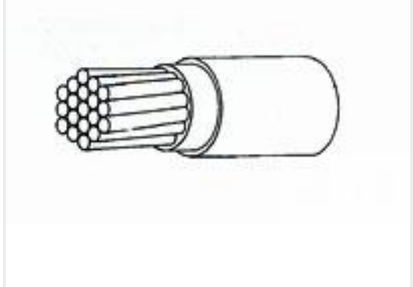


Other Automotive Connector Accessories(27)

Customers Also Bought



TE Part #1011-052-1205
SEAL RET, 12P, GRY, DTM, A



TE Part #393687-000
22759/43-24-9



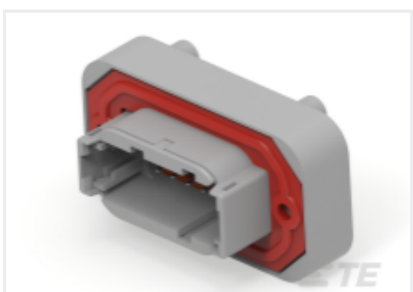
TE Part #DT06-12SA-CE13
PLG, 12P, GRY, E,SEAL RET,ENH KEY, XCAP,A



TE Part #CAT-D799-H342
DEUTSCH DRC Headers



TE Part #DTF13-4P
HDR, 4P, BLK, RA, SN/NI/CU



TE Part #DTM15-12PA
HDR, 12P, GRY, ST, NI/CU, A



TE Part #641825-1
08P UMNL PIN HDR ASSY V2 NATL



TE Part #3-1879354-9
RR03 5% 12R AMMO



TE Part #5499345-9
A/L UNIV HDR 40P RA SHT LAT

Documents

Product Drawings

HDR, 12P, BLK, RA, SN/NI/CU, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTF13-12PB_99_c-dtf13-12pb-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTF13-12PB_99_c-dtf13-12pb-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTF13-12PB_99_c-dtf13-12pb-99.3d_stp.zip

English

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

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