

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, Through Hole -Solder, DEUTSCH DT

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Connector System: Wire-to-Board

Number of Positions: **12**

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

Sealable: Yes

PCB Mount Orientation: Right Angle

All DEUTSCH DT Headers (72)

Features

Product Type Features

Mixed & Hybrid Header

Connector Shape

No

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	Right Angle		
Number of Rows	2		
Electrical Characteristics			
Voltage Rating (Max)	250 VAC		
Nominal Voltage Architecture	12 V, 24 V		
Operating Voltage	250 VAC		

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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	Tin				
Contact Current Rating (Max)	13 A				
Termination Features					
Termination Method to Printed Circuit Board	Through Hole - Solder				
Mechanical Attachment					
Mounting Holes	With				
Mating Alignment Type	Keyed				
Mating Retention	With				
Mating Alignment	With				
PCB Mount Alignment	Without				

Panel Mount Feature	Without			
PCB Mount Retention	With			
PCB Mount Retention Type	Mounting Screw			
Mating Retention Type	Locking Interface			
Connector Mounting Type	Board Mount			
Housing Features				
Centerline (Pitch)	1.45 mm[.175 in]			
Dimensions				
Connector Length	34.29 mm[1.35 in]			
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]			
Usage Conditions				
Operating Temperature (Max)	125 °C[257 °F]			
Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]			

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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 Type	Box				
Packaging Quantity	280				
Other					
Interface Number	DT04-12PA-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	Restricted Materials Above Threshold	
	EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Pb (3.7% in Component Part) Aticle 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

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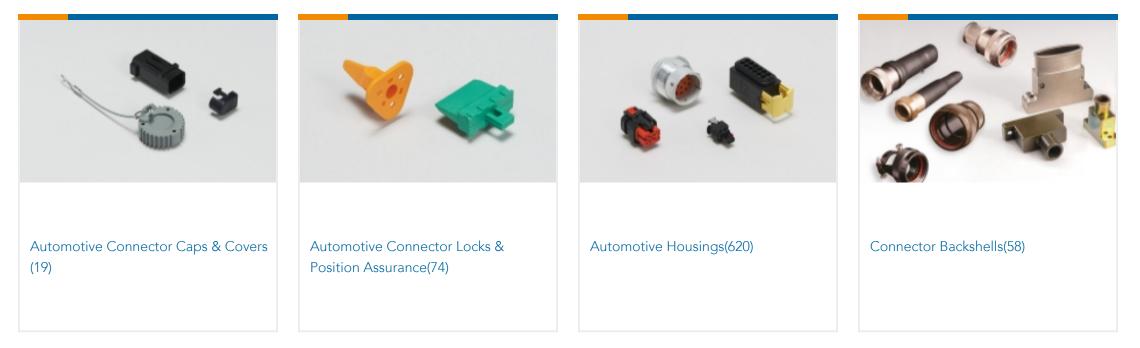


on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

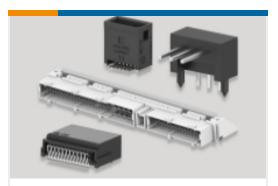
Compatible Parts



Also in the Series DEUTSCH DT



Connector Seals & Cavity Plugs(6)	Connector Strain Relief(28)	Insertion & Extraction Tools(3)	Other Automotive Connector Accessories(27)

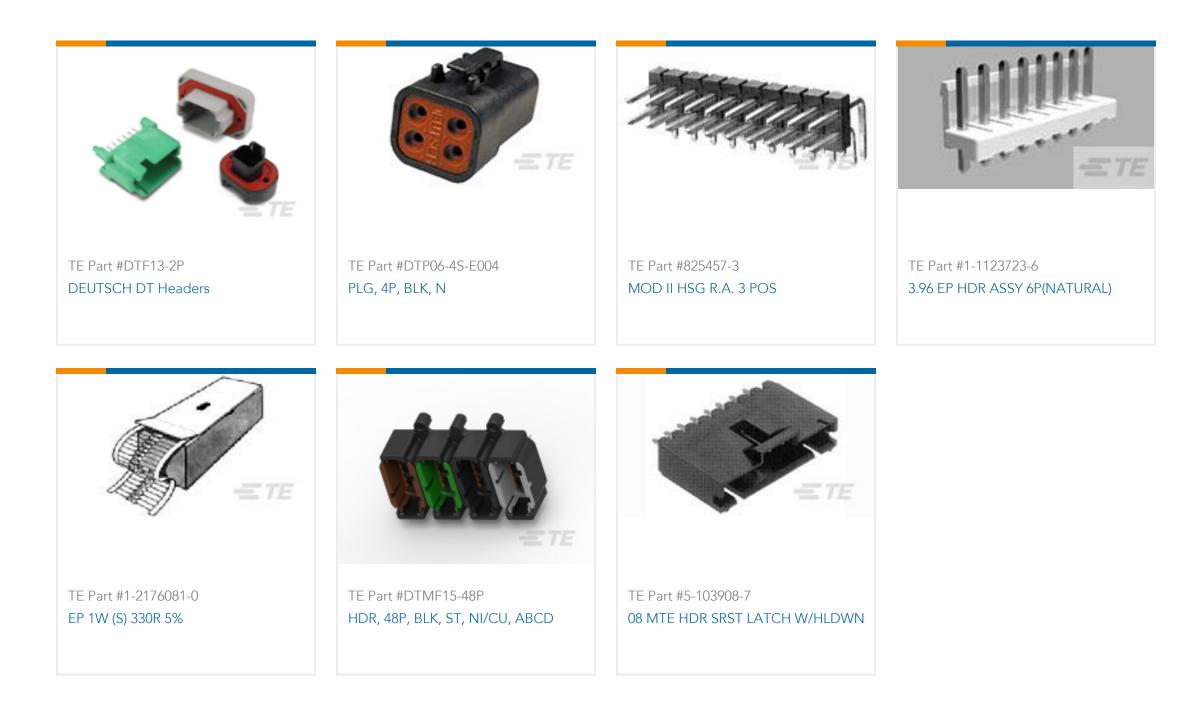


PCB Headers & Receptacles(103)

Customers Also Bought

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





Documents

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

English

CAD Files 3D PDF

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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

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

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Product Specifications

Application Specification

English

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Agency Approvals UL Report

English