

DTM13-12PA-R005 ✓ ACTIVE

[DEUTSCH](#) | [DEUTSCH DT](#), [DEUTSCH DTM](#)

TE Internal #: DTM13-12PA-R005

PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 4.19 mm [.165 in] Centerline, Fully Shrouded, Nickel, Through Hole - Solder, Sealable

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[Connectors](#) > [PCB Connectors](#) > [PCB Headers & Receptacles](#) > [DEUTSCH DTM Headers](#)



Connector System: **Wire-to-Board**

Number of Positions: **12**

Number of Rows: **2**

Centerline (Pitch): **4.19 mm [.165 in]**

PCB Mount Orientation: **Right Angle**

[All DEUTSCH DTM Headers \(32\)](#)

Features

Product Type Features

Hybrid Header	No
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
PCB Connector Assembly Type	PCB Mount Header

Configuration Features

Number of Sections	1
Number of Signal Positions	12
Number of Positions	12
Number of Rows	2
PCB Mount Orientation	Right Angle



Electrical Characteristics

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

Body Features

Connector & Keying Code	A
Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.02 mm[.04 in]
Contact Mating Area Plating Material	Nickel
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

Centerline (Pitch)	4.19 mm[.165 in]
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Dimensions

Connector Length	38.1 mm[1.5 in]
Connector Width	47.02 mm[1.851 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	33.5 mm[1.319 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	Signal

Industry Standards

Degree of Protection	Not Tested
UL Rating	Recognized
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	125
Packaging Type	Box

Other

Interface Number	DTM04-12P
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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
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: JAN 2023 (233) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (2.76% in Component Part) 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-D485-CH8172
DEUTSCH DTM Housings

Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers
(107)



Automotive Connector Locks &
Position Assurance(73)



Automotive Housings(586)



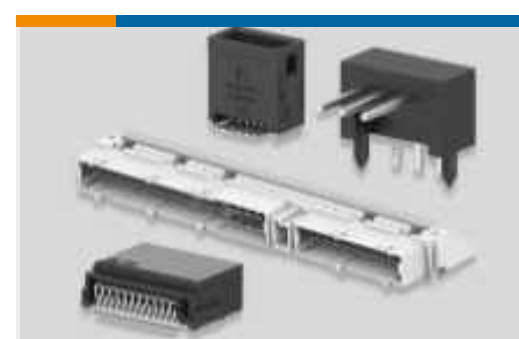
Automotive Seals & Cavity Plugs(4)



Insertion & Extraction Tools(3)



Other Automotive Connector
Accessories(14)



PCB Headers & Receptacles(102)

Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (41)



Automotive Connector Locks & Position Assurance(17)



Automotive Housings(98)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(36)

Customers Also Bought



TE Part #DT04-2P
REC, 2P, GRY, N



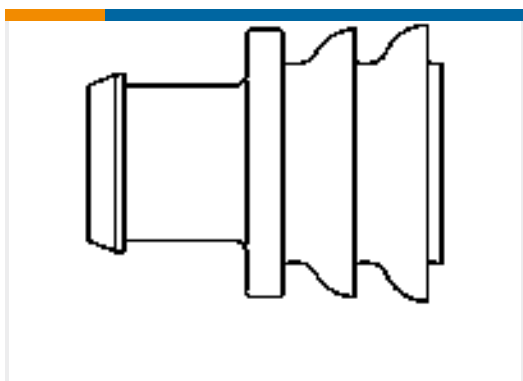
TE Part #W2S
DEUTSCH DT Wedgelocks



TE Part #0460-202-16141
DEUTSCH Solid Contacts



TE Part #282104-1
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #DT06-2S
PLG, 2P, GRY, N

Documents

Product Drawings

HDR, 12P, BLK, RA, NI/CU, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM13-12PA-R005_99_c-dtm13-12pa-r005-99.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_DTM13-12PA-R005_99_c-dtm13-12pa-r005-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DTM13-12PA-R005_99_c-dtm13-12pa-r005-99.3d_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English