DTM13-12PA-R020 ✔ ACTIVE

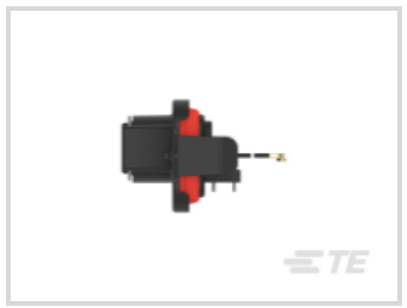
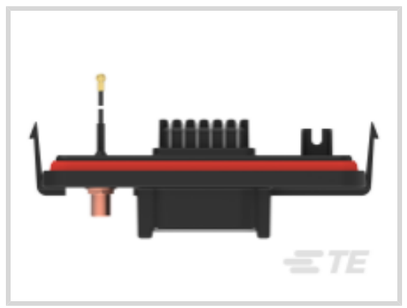
DEUTSCH | DEUTSCH DTM

TE Internal #: 2333581-1

Right Angle, Wire-to-Board, 12 Position, 2 Row, 4.19mm [.165in] Centerline, Nickel (Ni), Sealable, Wire & Cable, DEUTSCH DTM

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Headers > DEUTSCH DTM Headers



PCB Mount Orientation: **Right Angle**

Contact Current Rating (Max): **7.5 A**

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

Sealable: **Yes**

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

All DEUTSCH DTM Headers (38)

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	A
Primary Product Color	Black

Contact Features

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

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
PCB Mount Retention Type	Mounting Screw
Mating Alignment	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4.19 mm[.165 in]

Dimensions

Connector Width	101 mm[3.976 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Connector Length	36.91 mm[1.453 in]
Profile Height from PCB	25.71 mm[1.012 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

IP Rating	Not Tested
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	63
Packaging Method	Box

Other

Interface Number	DTM04-12P

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 with Exemptions
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 2023 (233) SVHC > Threshold: Pb (1.5% 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

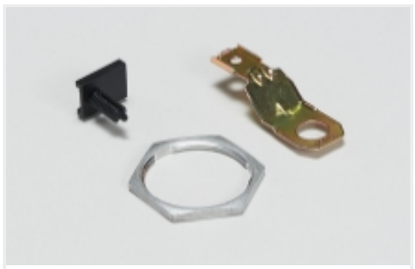


TE Part # CAT-D485-EN17
DEUTSCH PCB Enclosures

Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (8)

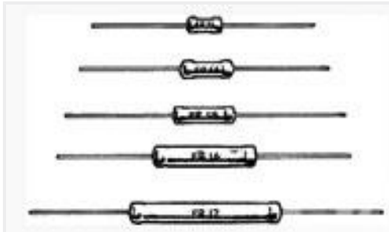


Other Automotive Connector Accessories(8)

Customers Also Bought



TE Part #6-1460820-1
V23608A1027B 2=SMD Jack L-Fr



TE Part #5-1623746-9
ER74 R02 5% AMMO PK



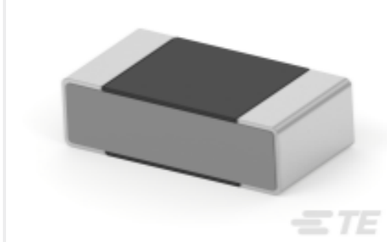
TE Part #3-1879021-5
SMW3 2R7 5%



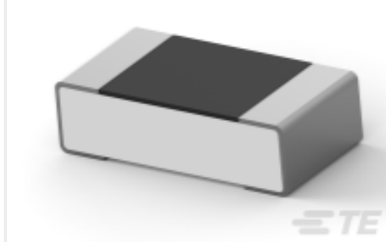
TE Part #1-1879135-0
RN 0603 130K 0.1% 10PPM 1K RL



TE Part #3-1879223-8
CPF 0603 576R 0.1% 25PPM 1K RL



TE Part #7-1879417-7
CPF0603 768K 0.1% 25PPM 1K RL



TE Part #1-2176372-7
RQ 0603 73K2 0.1% 10PPM 5K RL



TE Part #1-2834068-2
PIN CONTACT,MINIATURE WATERPROOF CONN



TE Part #3-2834074-2
2P PLUG, MINIATURE WATERPROOF CONN,RED



TE Part #1-2834075-3
3P REC, MINIATURE WATERPROOF CONN.WHITE

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2333581-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2333581-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2333581-1_A.3d_stp.zip

English

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

Product Specifications

Product Specification

English