

DTM13-12PA-R008

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM13-12PA-R008

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

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Connectors > PCB Connectors > PCB Headers & Receptacles > DEUTSCH DTM Headers



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **12**

Number of Rows: **2**

[All DEUTSCH DTM Headers \(37\)](#)

Features

Product Type Features

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

Configuration Features

Connector Modification	PCB Enclosure Header
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 Size	Size 20
Contact Mating Area Plating Material	Nickel (Ni)
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Connector Width	60.96 mm[2.4 in]
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PCB Thickness (Recommended)	.78 – 1.57 mm[.031 – .062 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	IP67, IP6K9K
UL Flammability Rating	Not Tested

Packaging Features

Packaging Quantity	105
Packaging Method	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
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) Does not contain REACH SVHC
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-EN17
DEUTSCH PCB Enclosures



TE Part # CAT-D485-CH8172
DEUTSCH DTM Housings

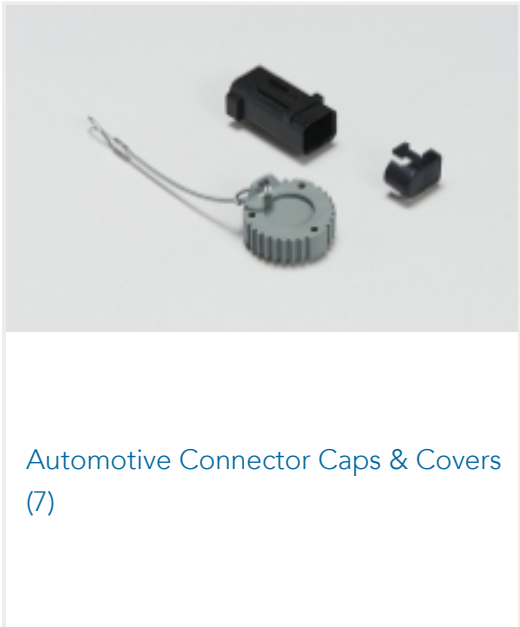


TE Part # DT-RT1
EXT TOOL, FRONT RELEASE




TE Part # DTM13-12PA-GR01
HDR, 12P, BLK, RA EEC, AU/NI/CU, A

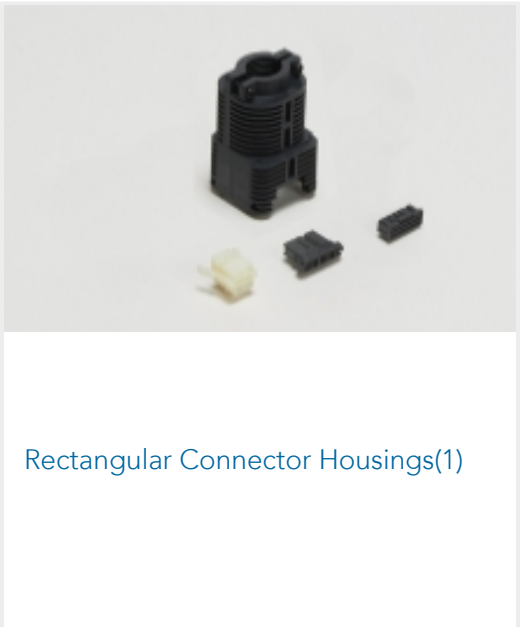
Also in the Series | DEUTSCH DT




Automotive Connector Caps & Covers (7)



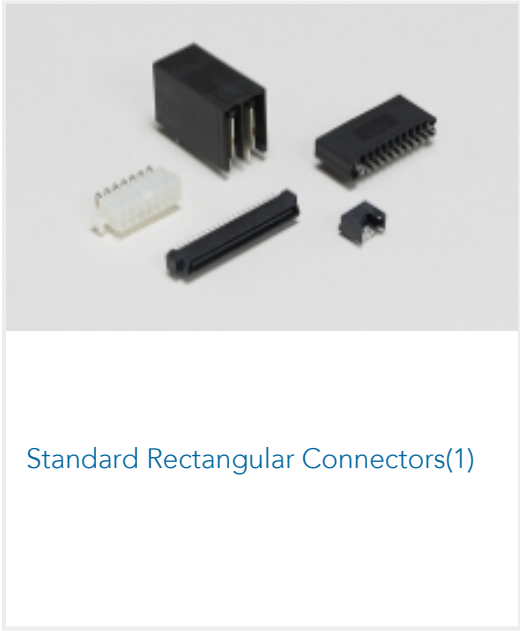
Connector Caps & Covers(1)



Rectangular Connector Housings(1)



Rectangular Power Connectors(77)

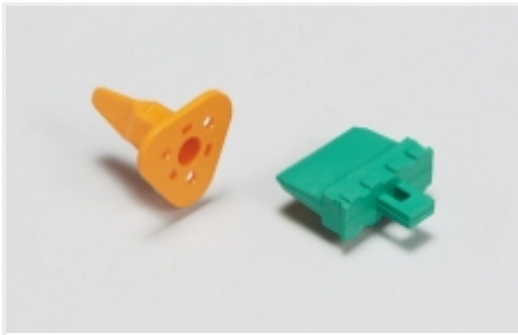


Standard Rectangular Connectors(1)

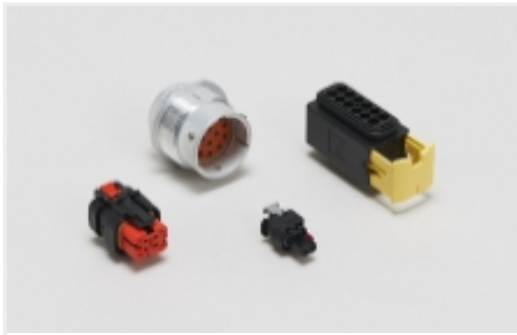
Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (7)



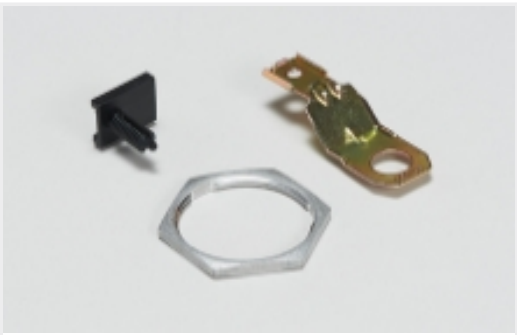
Automotive Connector Locks & Position Assurance(26)



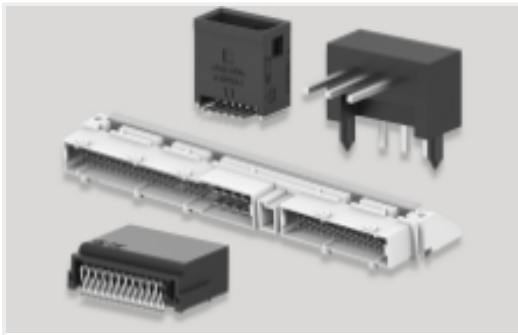
Automotive Housings(109)



Connector Strain Relief(28)



Other Automotive Connector Accessories(7)

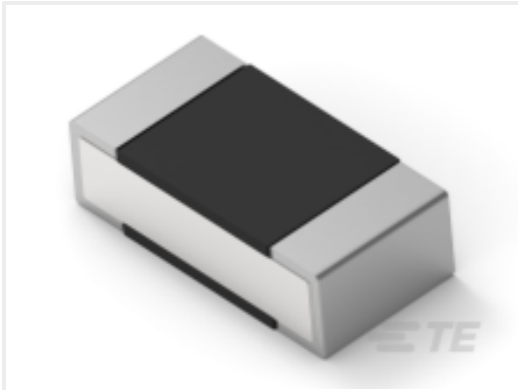


PCB Headers & Receptacles(38)

Customers Also Bought



TE Part #1-644753-2
12P MTA156 HDR ASSY RN STR F/L



TE Part #2-2176313-8
RP 1E 0.1W 255K 0.1% 25PPM 1K RL



TE Part #2333580-1
DTM13-12PA-R019, HDR,12P, BLK,RA, NI/CU,A



TE Part #4-2176330-1
CRGP 2010 22K 1%



TE Part #9-146458-0
40 MODII HDR SRST UNSHRD STKG



TE Part #1877285-7
07P EP SHRD HDR ASMY, WHITE



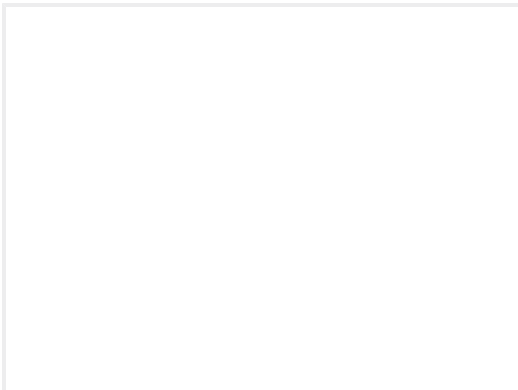
TE Part #EEC-325X4A
ENCLOSURE, 3.25 X 4, BLK, VENT



TE Part #4-2176306-6
RP 1E 0.1W 3K4 0.1% 25PPM 5K RL



TE Part #4-2176306-8
RP 1E 0.1W 3K57 0.1% 25PPM 5K RL



TE Part #7001003-ZZ
RESISTOR ASSMB PL

Documents



Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM13-12PA-R008_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTM13-12PA-R008_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM13-12PA-R008_C.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

English

Product Specifications

Application Specification

English