

DTM13-12PA

✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

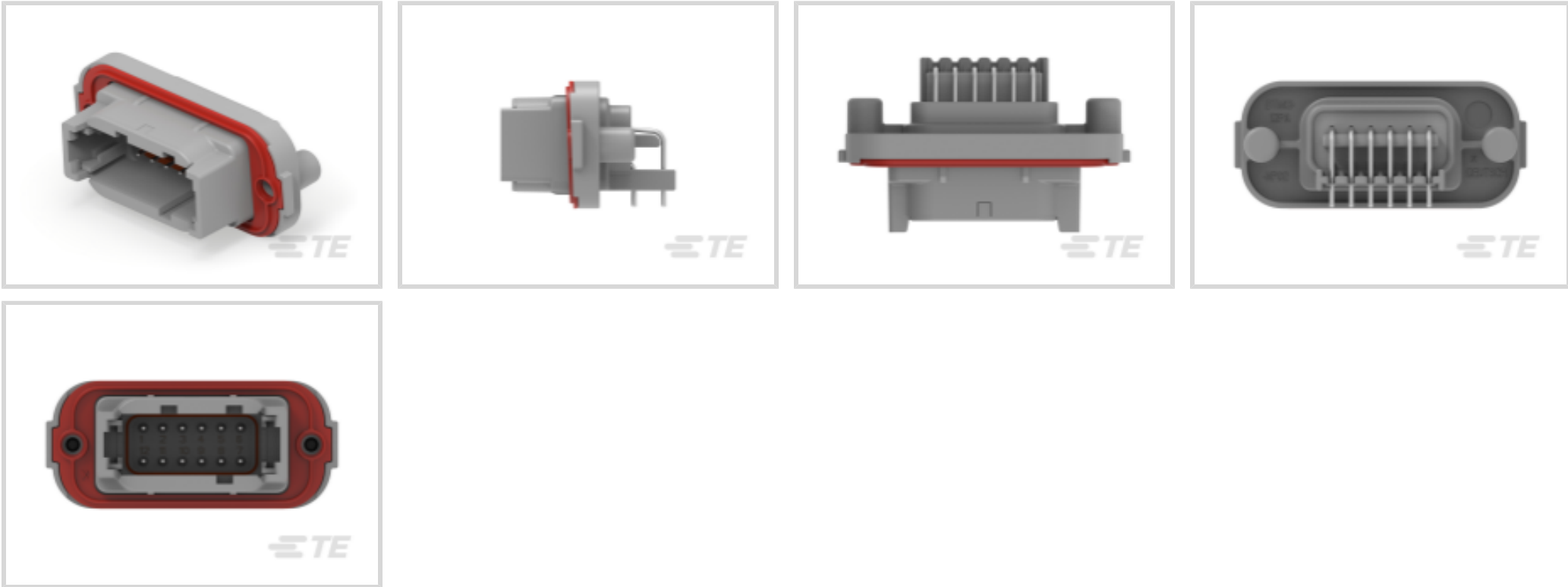
TE Internal #: DTM13-12PA

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

[View on TE.com >](#)



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

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



Number of Rows	2
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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	Gray

Contact Features

Mating Pin Diameter	1.02 mm[.04 in]
Contact Size	Size 20
Contact Mating Area Plating Material	Tin (Sn)
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	With
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
Mating Alignment Type	Keyed
PCB Mount Retention Type	Mounting Screw
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board 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]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]



Profile Height from PCB	35.54 mm[1.36 in]
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Connector Length	38.23 mm[1.505 in]
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Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
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Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]
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Operation/Application

Shielded	No
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Circuit Application	Signal
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Industry Standards

IP Rating	Not Tested
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UL Rating	Recognized
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	125
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Packaging Method	Box
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (.5% in 30862102856) Dodecamethylcyclohexasiloxane (D6) (.5% in 30862102856) Octamethylcyclotetrasiloxane (D4) (.5% in 30862102856) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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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>

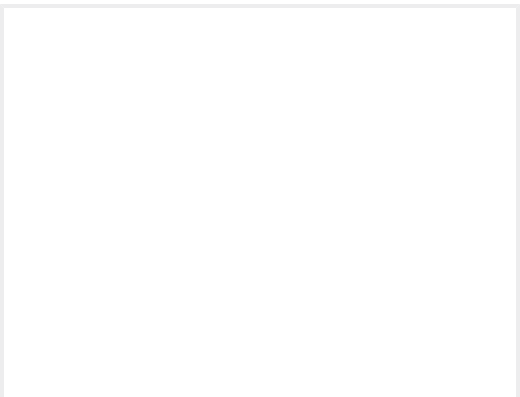
Compatible Parts



TE Part # DTM13-12PB
HDR, 12P, GRY, RA, SN/NI/CU, B



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

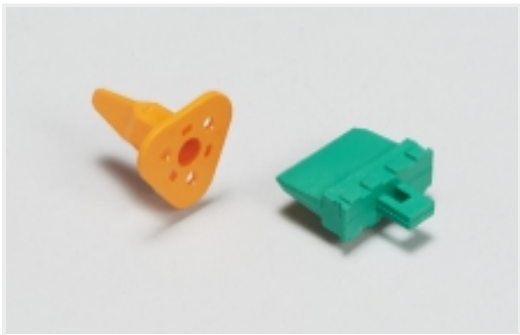


TE Part # 1013-011-1206
SEAL, FLANGE, 12P, DTM13/15



TE Part # CAT-D485-CH8172
DEUTSCH DTM Housings

Also in the Series | DEUTSCH DT



Automotive Connector Locks & Position Assurance(26)



Automotive Housings(109)



Connector Caps & Covers(1)



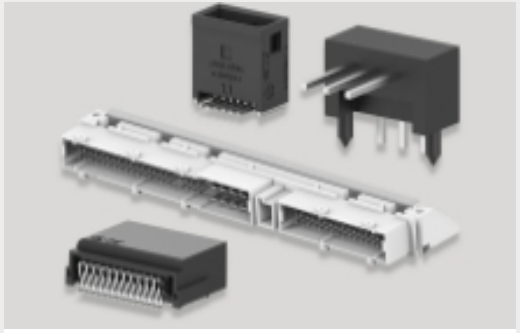
Connector Seals & Cavity Plugs(1)



Connector Strain Relief(28)



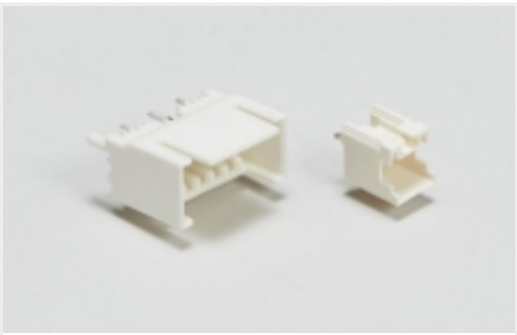
Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(38)

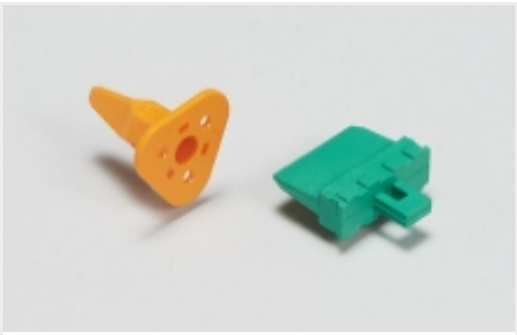


Rectangular Backshells & Clamps(1)



Wire-to-Board Headers & Receptacles
(38)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Locks & Position Assurance(26)



Automotive Headers(38)



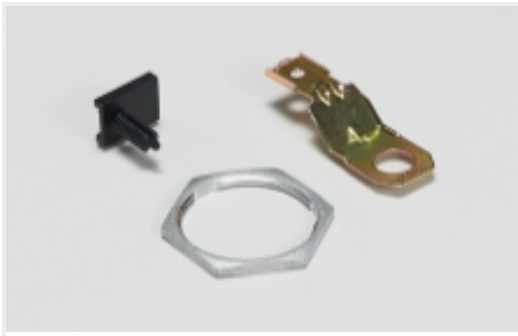
Automotive Housings(109)



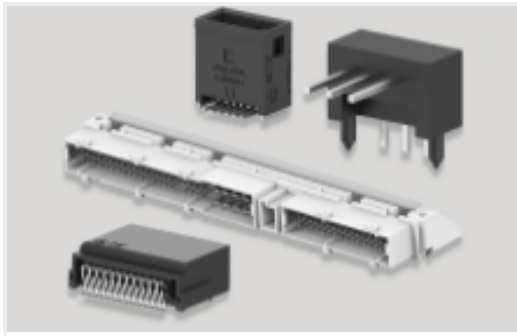
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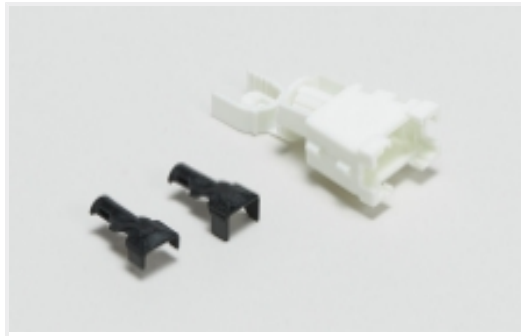
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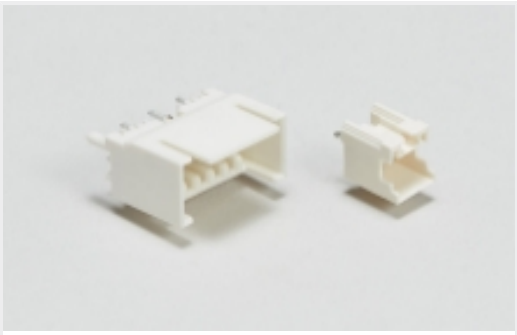
Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(38)



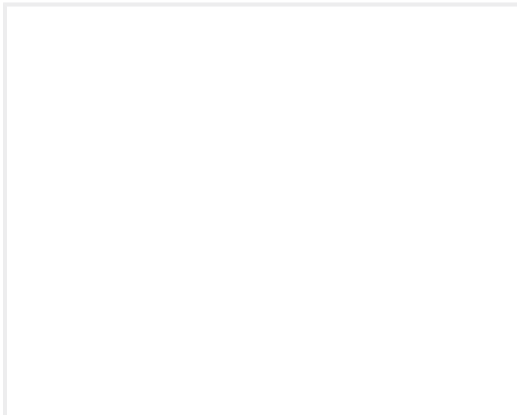
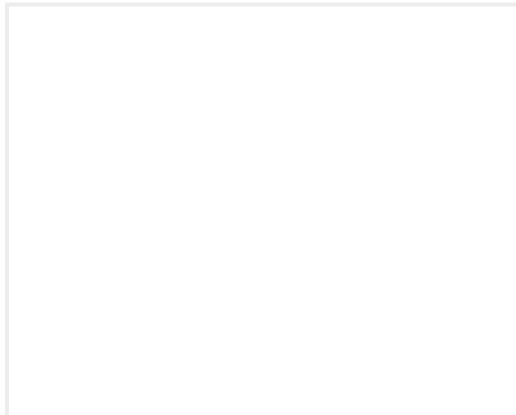
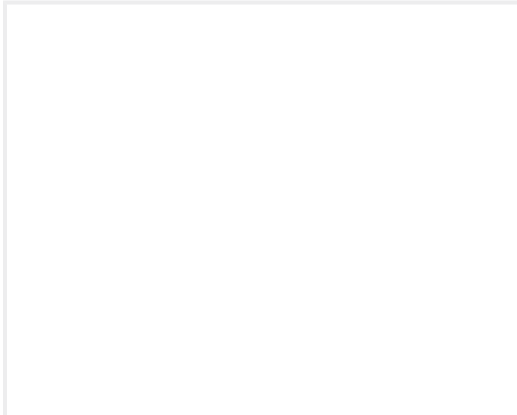
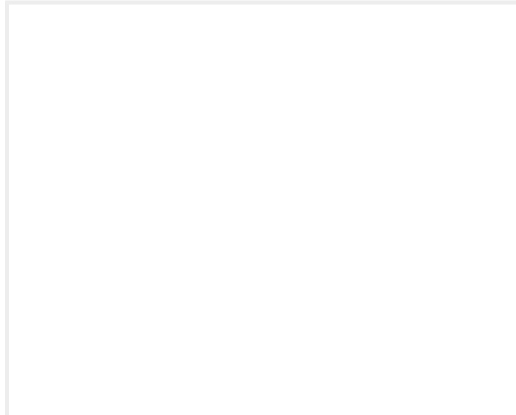
Rectangular Backshells & Clamps(1)



Wire-to-Board Headers & Receptacles
(38)

Customers Also Bought



 TE Part #2-2232829-0 SGI2.0 HEADER ASSEMBLY SMT 10P, KEY A,NTL	 TE Part #1-2232829-8 SGI2.0 HEADER ASSEMBLY SMT 8P, KEY A,NTL	 TE Part #5-5223985-6 UPM Keyed Guide Pin - Short	 TE Part #1-5223986-0 KEYED R/A GUIDE SOCKET MODULE
 TE Part #2170768-1 CAGE ASSY, QSFP28, 1X3, GASKET, HS	 TE Part #CAT-D485-H342 DEUTSCH DTM Headers	 TE Part #2-6450862-3 MBXLE VERT RCPT 8P+32S	 TE Part #631354-000 TMS-SCE-2.5K-1/4-2.0-S1-4

Documents

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

CAD Files
Customer View Model
ENG_CVM_CVM_DTM13-12PA_99.2d_dxf.zip
English
3D PDF
3D
Customer View Model
ENG_CVM_CVM_DTM13-12PA_99.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_DTM13-12PA_99.3d_stp.zip
English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages
TERMINALS AND CONNECTORS
English

ICT Terminals and Connectors Catalogue
English
CONNECTOR SELECTOR
English

Product Specifications



Application Specification

English

Agency Approvals

UL Report

English