

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, Through Hole - Solder, Hybrid

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Connectors > PCB Connectors > PCB Headers & Receptacles



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Features

Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
Interface Number	DTM04-12P

Product Type Features

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

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	24 V, 12 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
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
Mating Alignment Type	Keyed
PCB Mount Retention Type	Mounting Screw
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]
PCB Thickness (Recommended)	.78 – 1.57 mm[.031 – .062 in]
Profile Height from PCB	25.71 mm[1.012 in]
Connector Length	36.91 mm[1.453 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	IP6K9K, IP67
UL Rating	None
UL Flammability Rating	Not tested

Packaging Features

Packaging Quantity	105
Packaging Method	Box

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

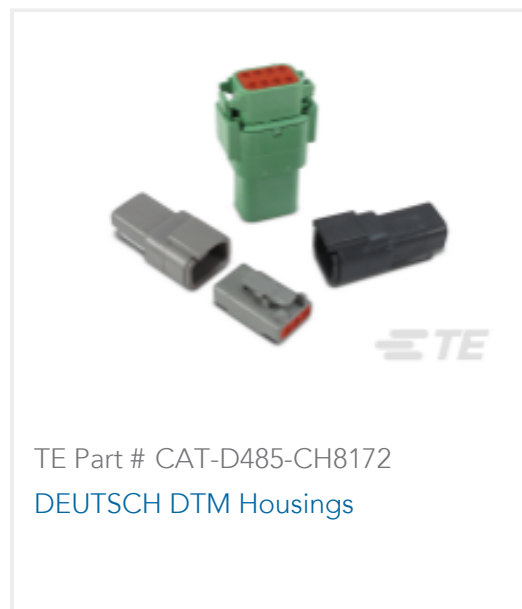
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2024 (241)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)</p> <p>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)</p> <p>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p>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.</p>

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

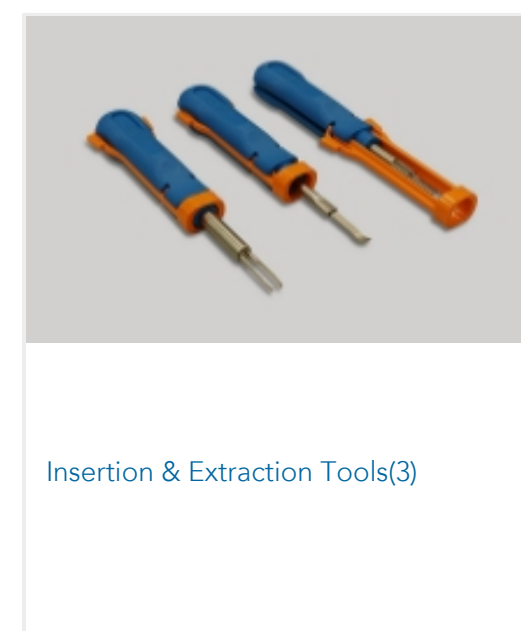
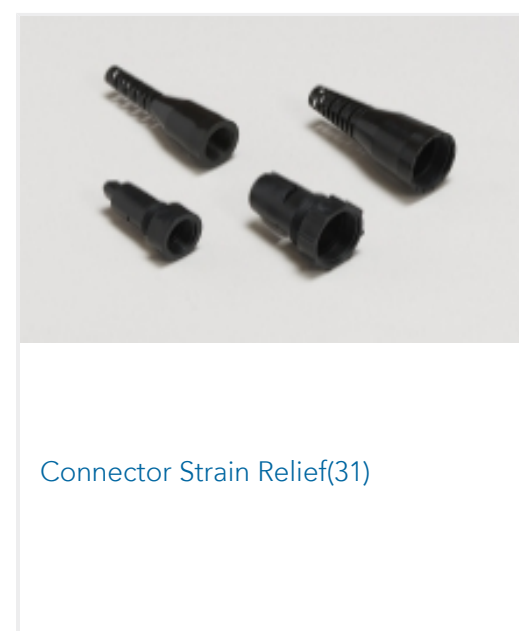
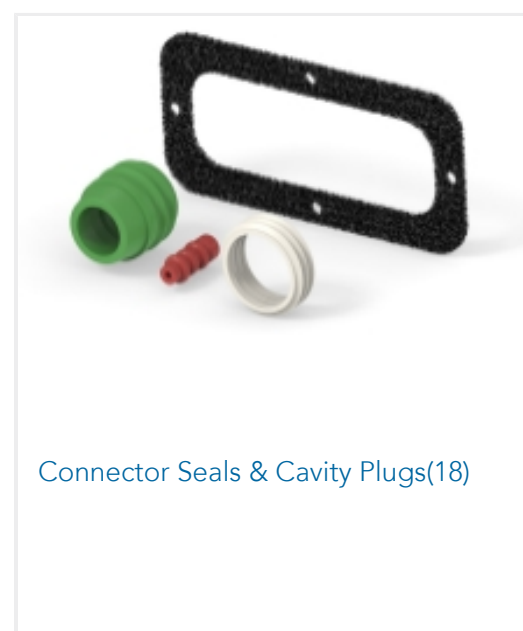
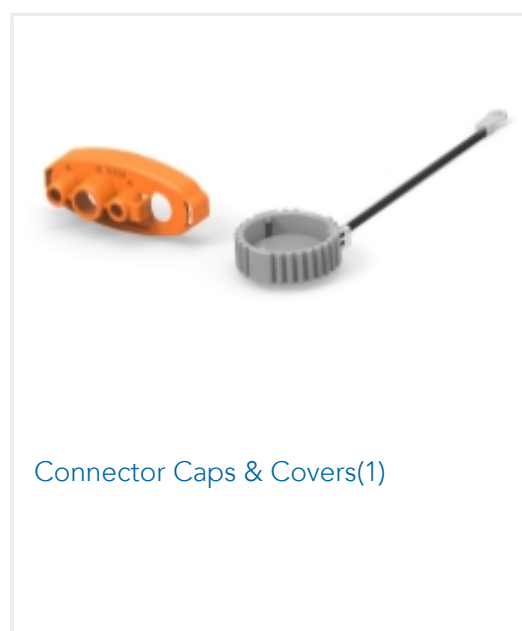
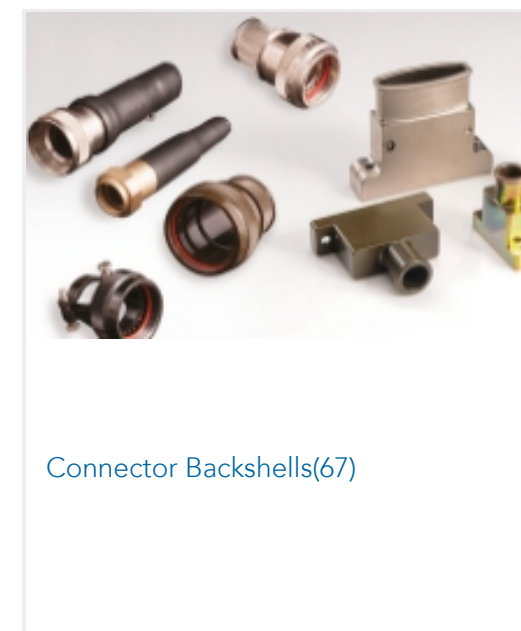
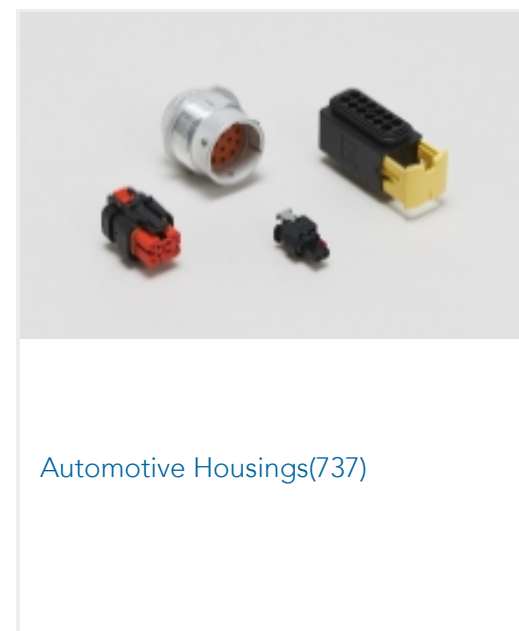
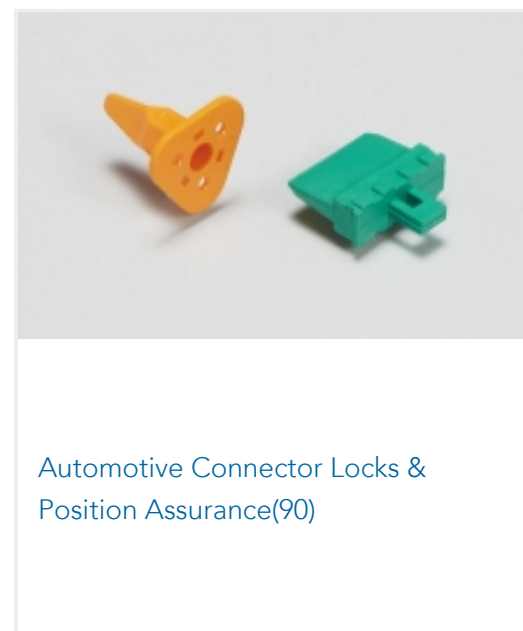
Product Compliance Disclaimer

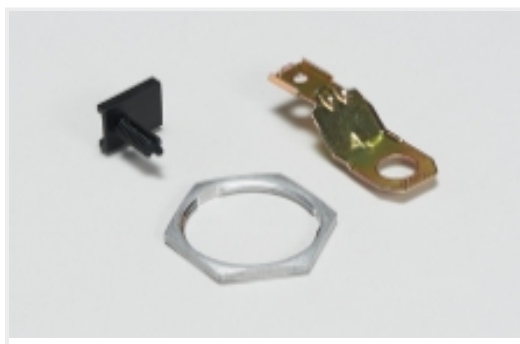
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

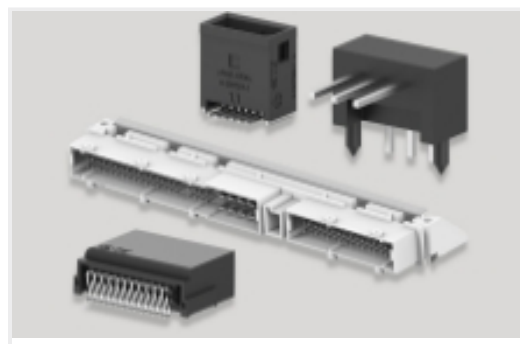


Also in the Series | DEUTSCH DT





Other Automotive Connector Accessories(28)



PCB Headers & Receptacles(107)

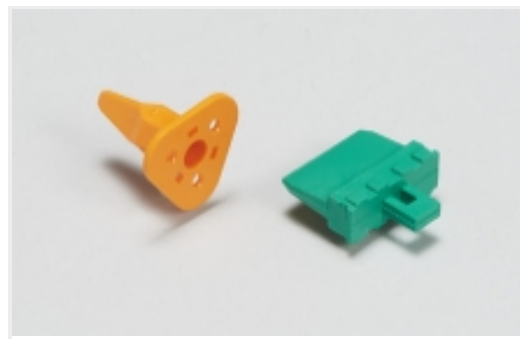


Rectangular Connector Housings(1)

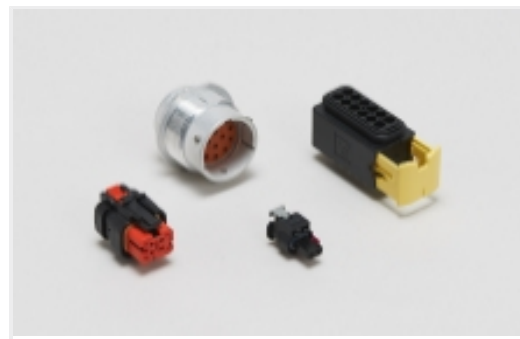
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Automotive Connector Caps & Covers (7)



Automotive Connector Locks & Position Assurance(26)



Automotive Housings(109)



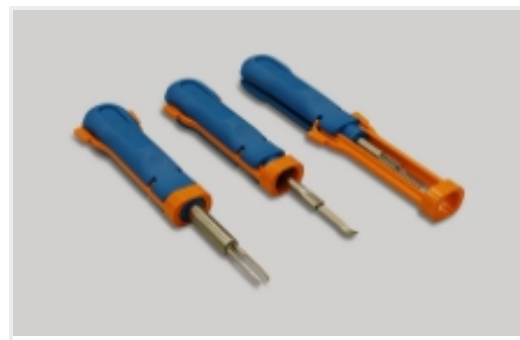
Connector Backshells(7)



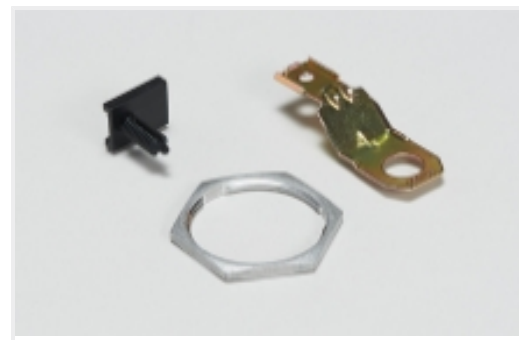
Connector Seals & Cavity Plugs(1)



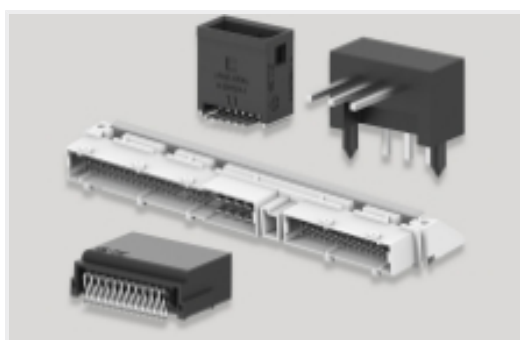
Connector Strain Relief(28)



Insertion & Extraction Tools(2)



Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(38)

Customers Also Bought



TE Part #5499786-5
A/L UNIV HDR 24P RA LG LAT



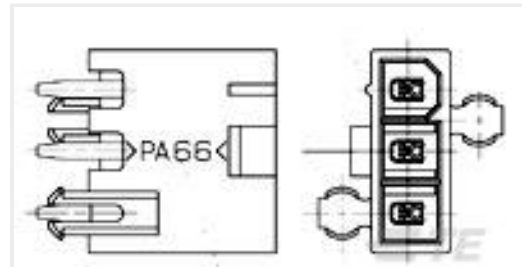
TE Part #EEC-325X4A
ENCLOSURE, 3.25 X 4, BLK, VENT



TE Part #5227433-1
BNC PCB JACK BLKHD ASSY



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



TE Part #2029054-5
5P VAL-U-LOK SR HDR SN V2 W/DH



TE Part #2102775-1
DC, 7Row, Half End, RTM, MULTIGIG
RT 2R



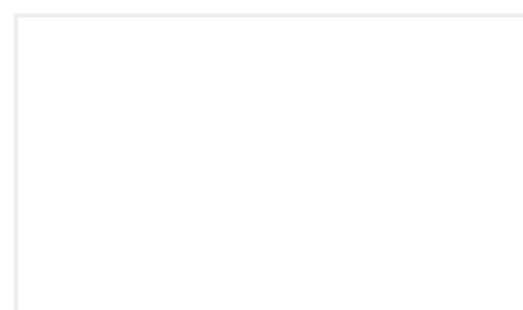
TE Part #2102774-1
DC, 7Row, Center, RTM, MULTIGIG RT
2R



TE Part #104069-4
10 SYSTEM 50 HDR DRRA SHRD
2R



TE Part #HUM-868-PRO
Module HUM-PRO 868MHz FHSS FM
XCVR



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

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Datasheets & Catalog Pages



[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

[Product Specifications](#)

[Application Specification](#)

English