DTM13-12PA-12PB-R008 ✔ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

TE Internal #: DTM1312PA12PBR008

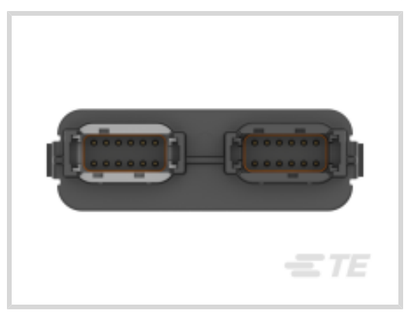
Right Angle, Wire-to-Board, 24 Position, 2 Row, 4.19mm [.165in] Centerline, Nickel (Ni), Sealable, Wire & Cable, DEUTSCH DT

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	24
Number of Sections	2
PCB Mount Orientation	Right Angle
Number of Positions	24
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	AB
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 – 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

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in M-11264-1) Decamethylcyclopentasiloxane (D5) (.5% in M-11264-1) Octamethylcyclotetrasiloxane (D4) (.5% in M-11264-1) **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.
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 # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-D485-EN17
DEUTSCH PCB Enclosures

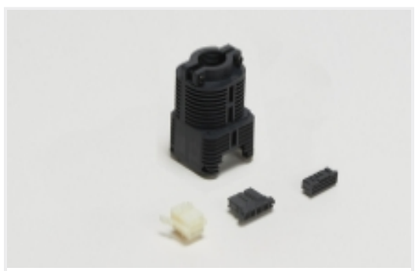
Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (8)



Circular Connector Backshells & Clamps(2)



Rectangular Connector Housings(1)



Wire-to-Board Connector Assemblies & Housings(1)

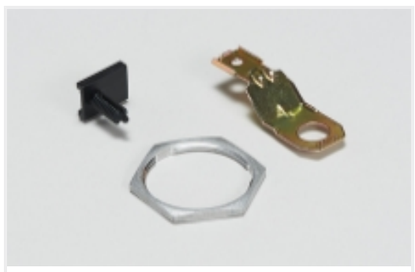
Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (8)



Circular Connector Backshells & Clamps(2)



Other Automotive Connector Accessories(8)

Customers Also Bought



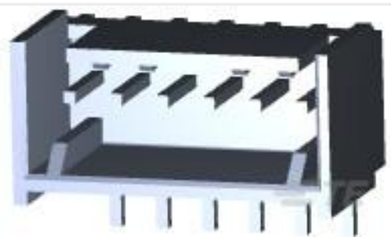
TE Part #DRC13-40PB
HDR, 40P, BLK, RA, 1032 FLG, SN/NI /CU, B



TE Part #1011-259-0305-V2
DT BACKSHELL 180 3way plug strain rel.



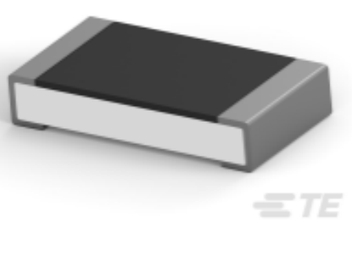
TE Part #5-147381-5
50 50/50 HDR SMT.250 W/HD SN



TE Part #2-644803-6
06P MTA100 SHRD HDR ASSY RA FL



TE Part #2151734-1
OCEAN-2.0-APPLICATOR-S-070F145O-RSM



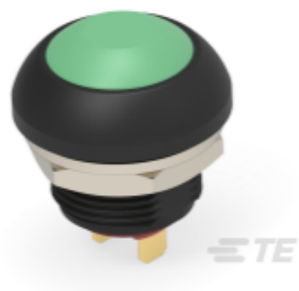
TE Part #1-2176388-3
RQ 1206 13R3 0.1% 10PPM 5K RL



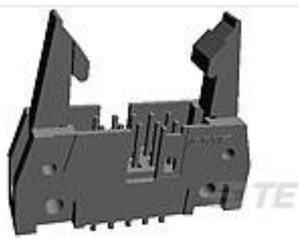
TE Part #2266450-1
OCEAN-2.0-APPLICATOR-S-061F079O-RSM



TE Part #2266949-1
OCEAN_2.0_Applicator-S-061F079O-RSM



TE Part #2329383-4
PB OFF/ON FC GRE M1 TERM. IP68



TE Part #5499923-1
A/L UNIV HDR 10P VERT LAT

Documents

Product Drawings

HDR, 24P, BLK, RA EEC, NI/CU, AB

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DTM1312PA12PBR008_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DTM1312PA12PBR008_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DTM1312PA12PBR008_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