

DTM13-12PB-R008

✓ ACTIVE

DEUTSCH | [DEUTSCH DT](#), [DEUTSCH DTM](#)

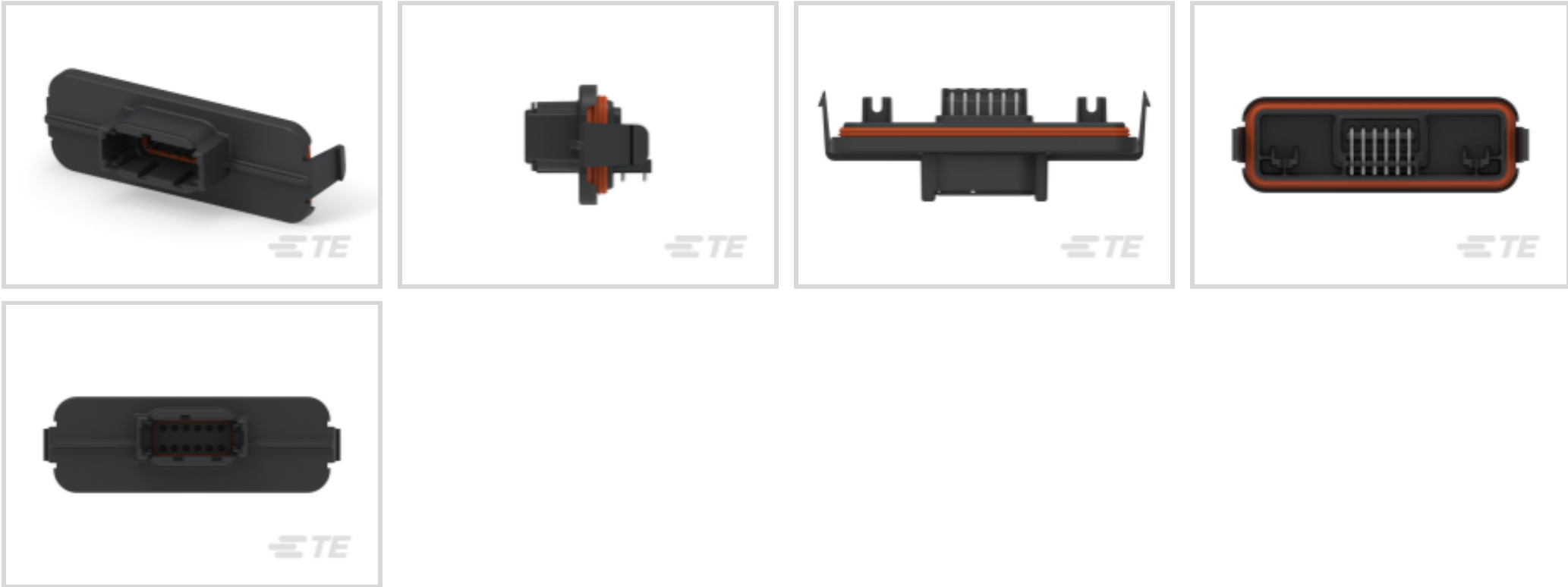
TE Internal #: DTM13-12PB-R008

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

[View on TE.com >](#)



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



Connector System: **Wire-to-Board**  
Number of Positions: **12**  
Centerline (Pitch): **4.19 mm [.165 in]**  
Sealable: **Yes**  
PCB Mount Orientation: **Right Angle**

[All DEUTSCH DTM Headers \(38\)](#)

Features

Product Type Features

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

Configuration Features

|                            |                      |
|----------------------------|----------------------|
| Number of Sections         | 1                    |
| Connector Modification     | PCB Enclosure Header |
| Number of Signal Positions | 12                   |
| Number of Positions        | 12                   |
| PCB Mount Orientation      | Right Angle          |



|                |   |
|----------------|---|
| Number of Rows | 2 |
|----------------|---|

Electrical Characteristics

|                              |            |
|------------------------------|------------|
| Voltage Rating (Max)         | 250 VAC    |
| Nominal Voltage Architecture | 12 V, 24 V |
| Operating Voltage            | 250 VAC    |

Body Features

|                         |       |
|-------------------------|-------|
| Primary Product Color   | Black |
| Connector & Keying Code | B     |

Contact Features

|                                      |                 |
|--------------------------------------|-----------------|
| Contact Size                         | Size 20         |
| Contact Type                         | Pin             |
| Mating Pin Diameter                  | 1.02 mm[.04 in] |
| Contact Mating Area Plating Material | Nickel          |
| Contact Current Rating (Max)         | 7.5 A           |

Termination Features

|                           |                       |
|---------------------------|-----------------------|
| Termination Method to PCB | Through Hole - Solder |
|---------------------------|-----------------------|

Mechanical Attachment

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

Housing Features

|                    |                  |
|--------------------|------------------|
| Centerline (Pitch) | 4.19 mm[.165 in] |
|--------------------|------------------|

Dimensions

|                  |                    |
|------------------|--------------------|
| Connector Length | 36.91 mm[1.453 in] |
| 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] |
|-------------------------|--------------------|

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

|                      |              |
|----------------------|--------------|
| Degree of Protection | IP67, IP6K9K |
|----------------------|--------------|

|           |      |
|-----------|------|
| UL Rating | None |
|-----------|------|

|                        |            |
|------------------------|------------|
| 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 | No Restricted Materials Above Threshold |
|-----------------------------------------------|-----------------------------------------|

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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 DT

Automotive Connector Caps & Covers  
(19)

Automotive Connector Locks &  
Position Assurance(88)

Automotive Housings(711)

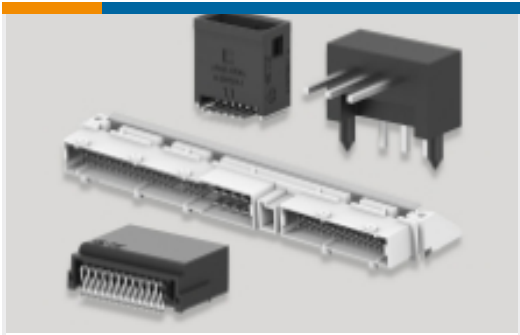
Connector Backshells(65)

Connector Seals & Cavity Plugs(9)

Connector Strain Relief(28)

Insertion & Extraction Tools(3)

Other Automotive Connector  
Accessories(28)

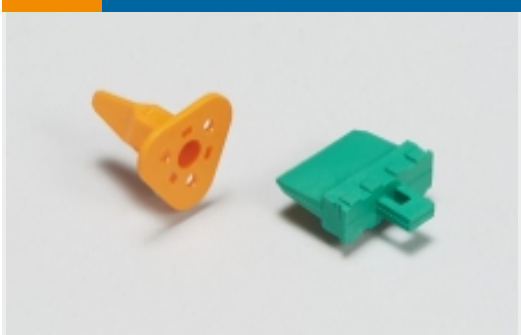


PCB Headers & Receptacles(106)

Also in the Series | **DEUTSCH DTM**



Automotive Connector Caps & Covers  
(7)



Automotive Connector Locks &  
Position Assurance(26)



Automotive Housings(109)



Connector Backshells(7)



Connector Seals & Cavity Plugs(1)



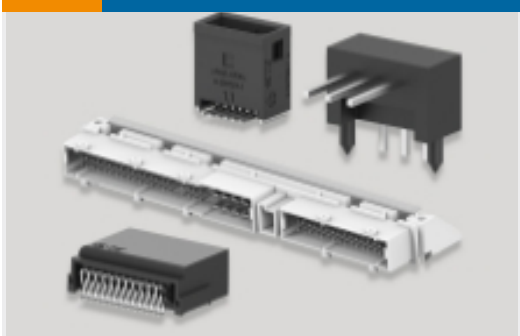
Connector Strain Relief(28)



Insertion & Extraction Tools(2)



Other Automotive Connector  
Accessories(7)



PCB Headers & Receptacles(38)

Customers Also Bought

DTM13-12PB-R008

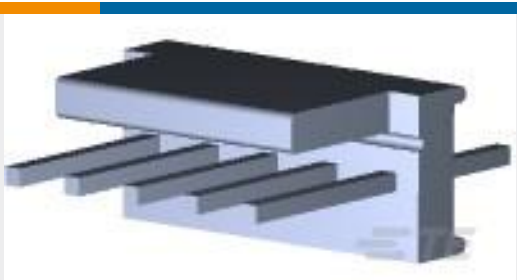
PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 4.19 mm [.165 in]  
Centerline, Fully Shrouded, Nickel, Through Hole - Solder, Hybrid



TE Part #1-640456-5  
15P MTA100 HDR ASSY F/L SQ STR



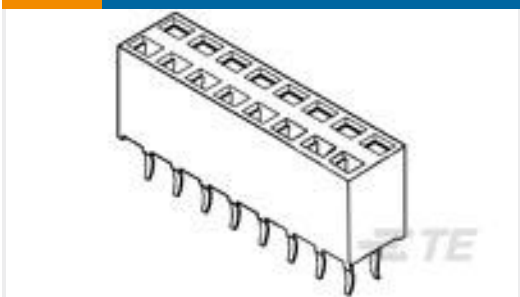
TE Part #640455-8  
08P MTA100 HDR ASSY SQ R/A POL



TE Part #640454-5  
05P MTA100 HDR ASSY SQ STR POL



TE Part #4-640426-0  
10P MTA156 CONN ASSY 18AWG  
ORA



TE Part #2-215307-0  
2X20P HV100 REC CON. TE, 7.0MM



TE Part #7-1879214-2  
CPF 0402 2K05 0.1% 25PPM 1K RL



TE Part #1-84953-1  
1MM FPC HORZ.TOP CONT.ASSY 11P



TE Part #1437664-7  
NC6-P107-05=NC6 ASSEMBLY



TE Part #1-644752-6  
16P MTA156 HDR ASSY SQ STR F/L



TE Part #1-644752-0  
10P MTA156 HDR ASSY SQ STR F/L

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DTM13-12PB-R008\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_DTM13-12PB-R008\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DTM13-12PB-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



TERMINALS AND CONNECTORS

English

CONNECTOR SELECTOR

English

Product Specifications

Product Specification

English

Product Specification

English