

DTM13-12PB-R008 ✓ ACTIVE

DEUTSCH | DEUTSCH DT, DEUTSCH DTM

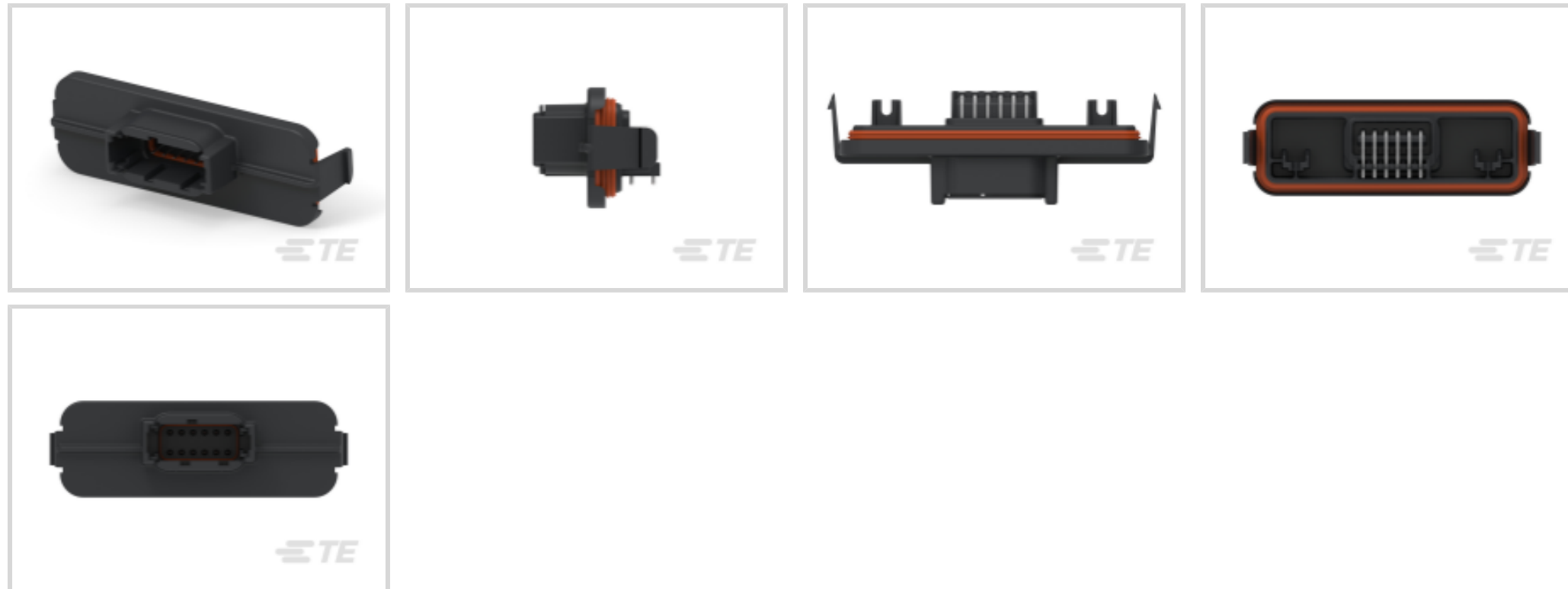
TE Internal #: DTM13-12PB-R008

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



PCB Connector Assembly 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 \(38\)](#)

Features

Electrical Characteristics

Operating Voltage	250 VDC
Voltage Rating (Max)	250 VDC
Nominal Voltage Architecture	24 V, 12 V

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]

Other

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



Packaging Features

Packaging Quantity	105
Packaging Method	Box

Industry Standards

IP Rating	IP6K9K, IP67
UL Rating	None
UL Flammability Rating	Not tested

Usage Conditions

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

Body Features

Connector & Keying Code	B
Primary Product Color	Black

Operation/Application

Shielded	No
Circuit Application	Signal

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

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
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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

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Centerline (Pitch)	4.19 mm [.165 in]
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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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)



Decamethylcyclopentasiloxane (D5) (.5% in Component Part)

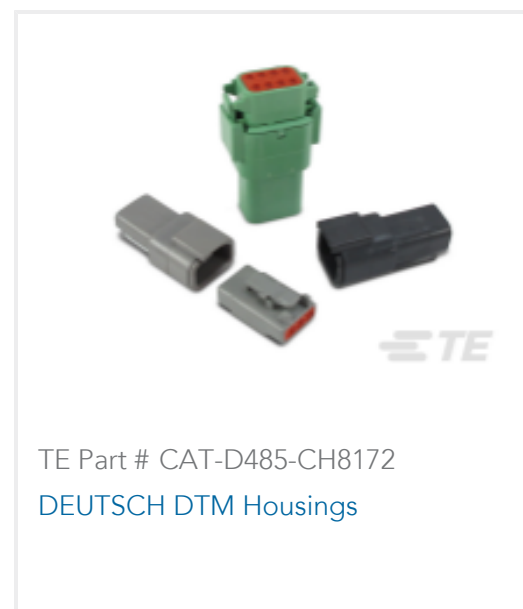
Article Safe Usage Statements:
Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

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

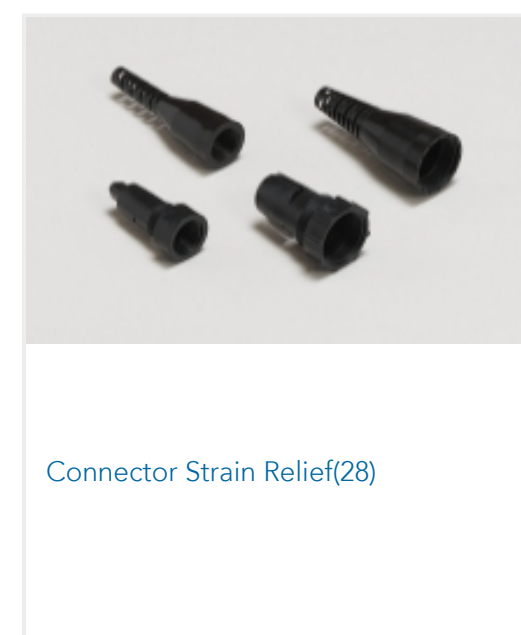
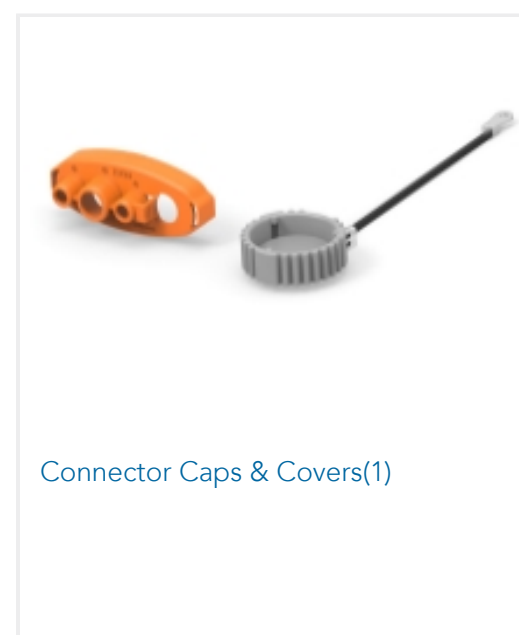
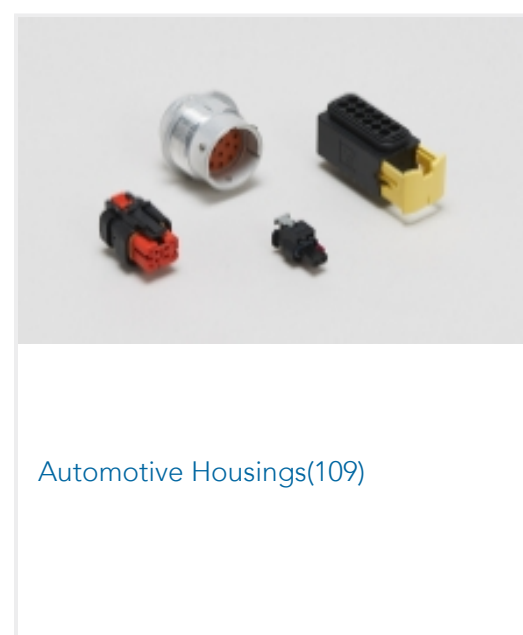
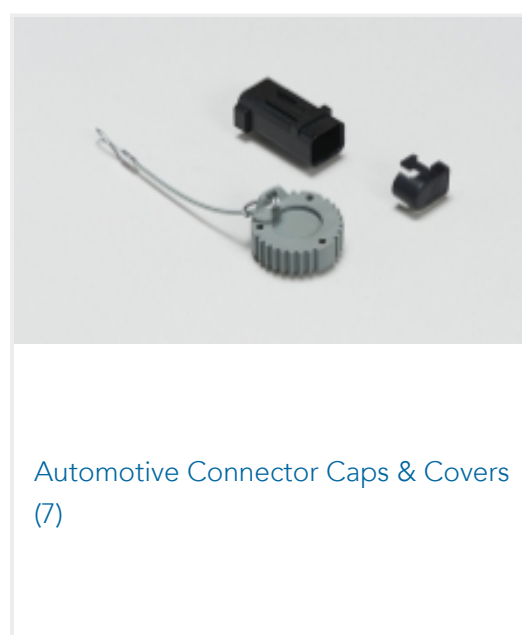
Product Compliance Disclaimer

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



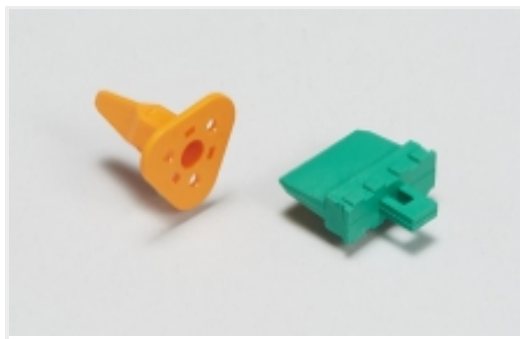
Also in the Series | DEUTSCH DT





Rectangular Backshells & Clamps(1)

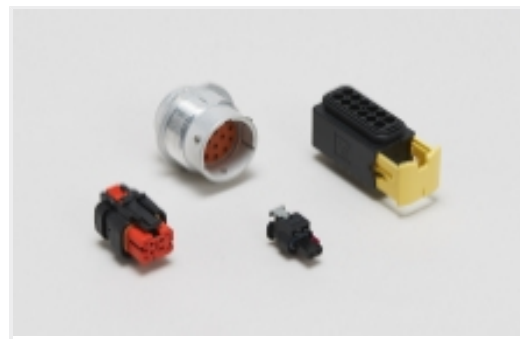
Also in the Series | DEUTSCH DTM



Automotive Connector Locks & Position Assurance(26)



Automotive Headers(38)



Automotive Housings(109)



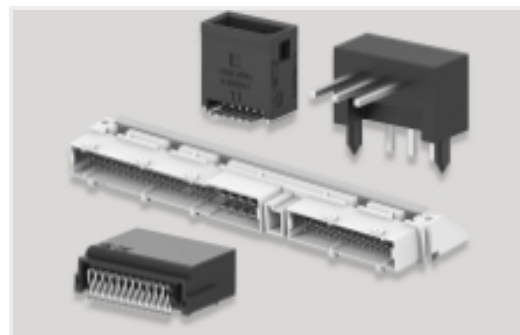
Connector Strain Relief(28)



Insertion & Extraction Tools(2)



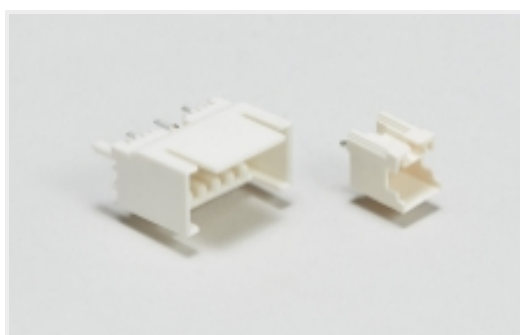
Other Automotive Connector Accessories(7)



PCB Headers & Receptacles(38)

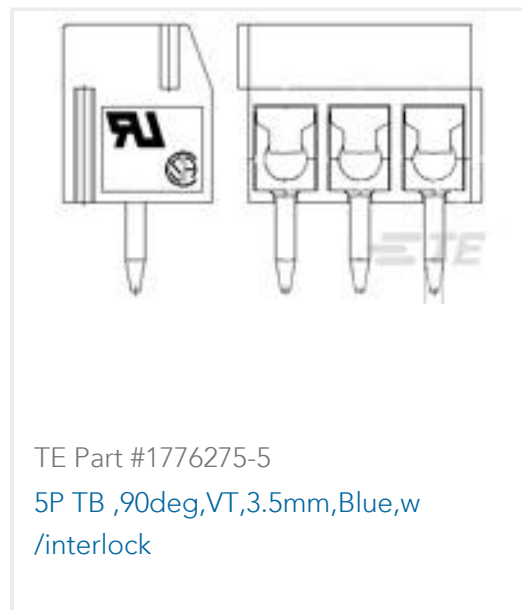


Rectangular Backshells & Clamps(1)



Wire-to-Board Headers & Receptacles (38)

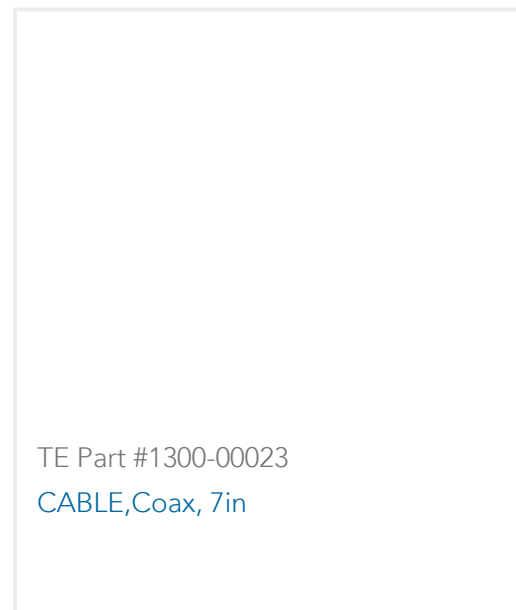
Customers Also Bought



TE Part #1776275-5
5P TB, 90deg, VT, 3.5mm, Blue, w
/interlock



TE Part #9-103765-0
40 MODII HD SRRA B/A .100CL, LF



TE Part #1300-00023
CABLE, Coax, 7in



TE Part #EEC-325X4B-E016
ENCLOSURE, 3.25 X 4, CLR, NO VENT



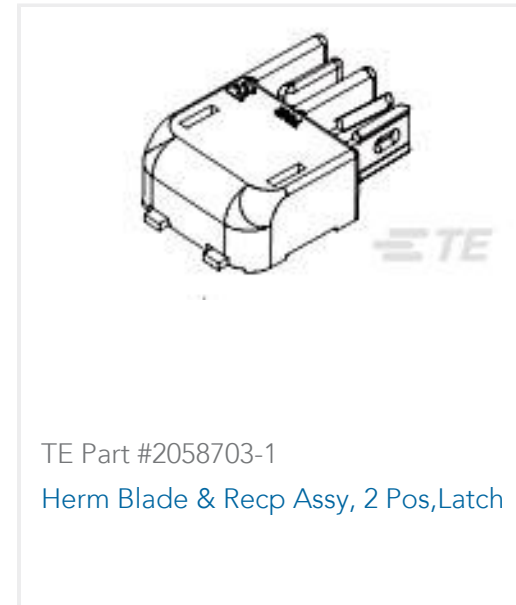
TE Part #322797
SOLIS R HR 22-16COM 22-18MIL 6



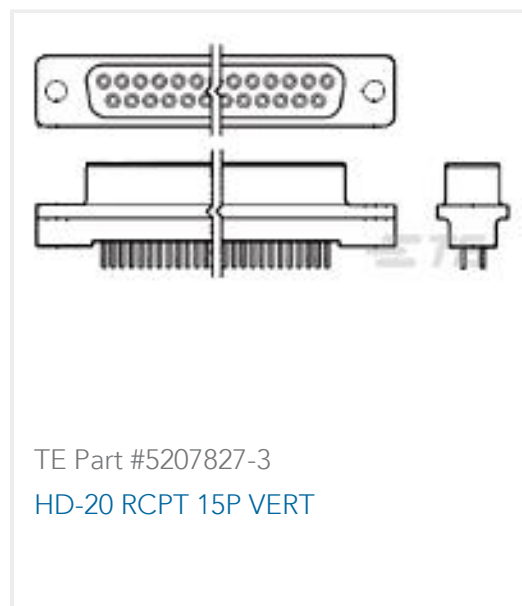
TE Part #5-1879021-1
SMW3 12R 5%



TE Part #34161
TERMINAL, PG R 16-14 10



TE Part #2058703-1
Herm Blade & Recp Assy, 2 Pos, Latch



TE Part #5207827-3
HD-20 RCPT 15P VERT



TE Part #5520470-3
MJ, R/A, 6P/6C, TRAY PACK

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

Engineering Report

English