

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

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[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 \(32\)](#)

Features

Product Type Features

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
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Nominal Voltage Architecture	12 V, 24 V
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Operating Voltage	250 VAC
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Body Features

Primary Product Color	Black
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Connector & Keying Code	B
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Contact Features

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

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Centerline (Pitch)	4.19 mm [.165 in]
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Dimensions

Connector Length	36.91 mm [1.453 in]
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Connector Width	60.96 mm [2.4 in]
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PCB Thickness (Recommended)	.78 – 1.57 mm [.031 – .062 in]
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Profile Height from PCB	25.71 mm [1.012 in]
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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 Type	Box
Packaging Quantity	105

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
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: JAN 2023 (233) Candidate List Declared Against: JAN 2023 (233) Does not contain REACH SVHC
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 # EEC-325X4B-E016
ENCLOSURE, 3.25 X 4, CLR, NO VENT



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



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

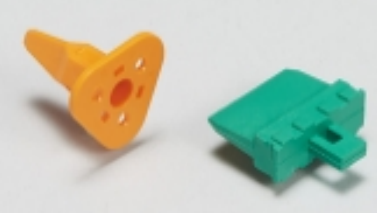


TE Part # EEC-325X4A-E016
ENCLOSURE, 3.25 X 4, CLR, VENT


Also in the Series | DEUTSCH DT



Automotive Connector Caps & Covers (107)




Automotive Connector Locks & Position Assurance(74)




Automotive Housings(618)



Automotive Seals & Cavity Plugs(5)



Insertion & Extraction Tools(3)



Other Automotive Connector Accessories(16)

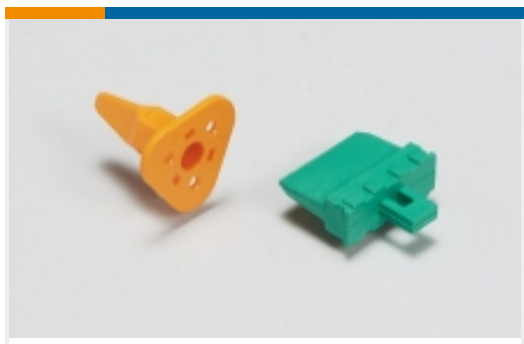


PCB Headers & Receptacles(102)

Also in the Series | DEUTSCH DTM



Automotive Connector Caps & Covers (41)



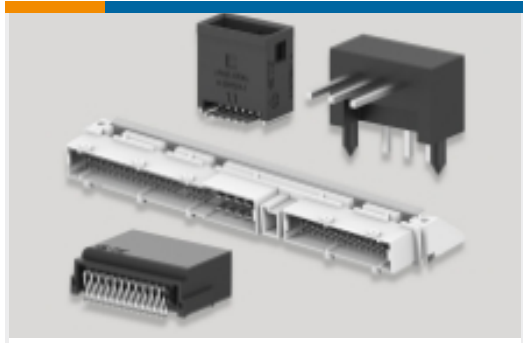
Automotive Connector Locks & Position Assurance(17)



Automotive Housings(100)

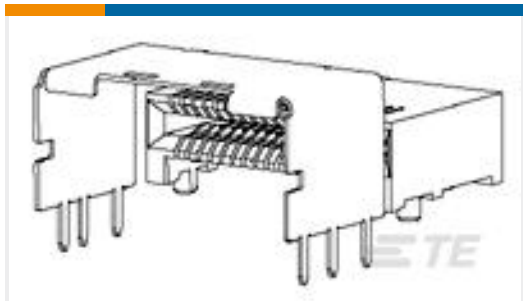


Insertion & Extraction Tools(2)



PCB Headers & Receptacles(36)

Customers Also Bought



TE Part #1888019-6
Shielded Right Angle Receptacle



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



TE Part #5536446-5
ASSEMBLY,RECEPTACLE,EUROCARD, T



TE Part #2213189-3
Assembly, IPI Connector 22-18GA w cap



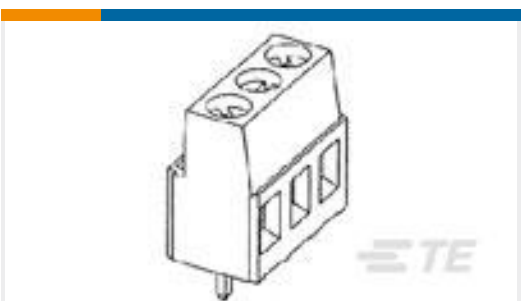
TE Part #3-1879377-4
CRGH0805 5% 22R 0.33W



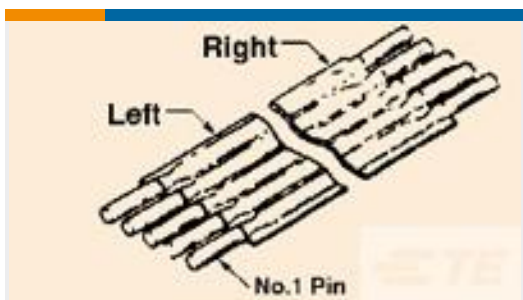
TE Part #DT15-12PA-B016
HDR, 12P, GRY, ST, ENH KEY, NI/CU, A



TE Part #5-146281-5
05 MODII HDR SRST B/A LF



TE Part #796911-3
3 POS TERMI-BLOK PCB SD WR ENT



TE Part #7-1437166-1
FSP-22A-6



TE Part #5148411-5
ASSY,PIN,R.A.,TYPE M,EUROCARD,L-FREE,78+

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

CONNECTOR SELECTOR

English

Product Specifications

Product Specification

English

Product Specification

English

Agency Approvals

UL Report

English