

[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 \(32\)](#)

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
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 Printed Circuit Board	Through Hole - Solder
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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]
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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
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Circuit Application	Signal
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Industry Standards

Degree of Protection	IP67, IP6K9K
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UL Rating	None
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UL Flammability Rating	Not tested
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Packaging Features

Packaging Type	Box
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Packaging Quantity	105
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</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>
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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.
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Solder Process Capability	Not reviewed for solder process capability
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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-E016
ENCLOSURE, 3.25 X 4, CLR, VENT

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

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

Also in the Series | DEUTSCH DT

Automotive Connector Caps & Covers
(107)

Automotive Connector Locks &
Position Assurance(74)

Automotive Housings(618)

Connector Seals & Cavity Plugs(6)

Insertion & Extraction Tools(3)

Other Automotive Connector
Accessories(27)

PCB Headers & Receptacles(103)

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 Receptacl

TE Part #EEC-5X650B
ENCLOSURE, 5 X 6.50, BLK, NO VENT

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

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

TE Part #HD36-18-8SN
PLG, 8P, AL, N, 12, S

TE Part #DT15-12PA-B016
DEUTSCH DT Headers

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

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