



Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**

Number of Positions: **12**

Centerline (Pitch): **4.19 mm [.165 in]**

Sealable: **Yes**

PCB Mount Orientation: **Right Angle**

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	A

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]
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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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <small>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.</small>
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-325X4B  
ENCLOSURE, 3.25 X 4, BLK, 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

Also in the Series | DEUTSCH DT


Automotive Connector Caps & Covers  
(47)

Automotive Connector Locks &  
Position Assurance(74)


Automotive Housings(620)

Connector Backshells(58)






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 (35)




Automotive Connector Locks & Position Assurance(17)



Automotive Housings(100)



Connector Backshells(6)



Insertion & Extraction Tools(2)



PCB Headers & Receptacles(36)

Customers Also Bought



TE Part #1614782-3  
BDS 2 A 100 10R 10%



TE Part #1-644753-2  
12P MTA156 HDR ASSY RN STR F/L



TE Part #DTCE04-1-4P-E003  
DTCE RECP ASM




TE Part #DT13-6P  
HDR, 6P, GRY, RA, NI/CU



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



TE Part #2-2176377-7  
RQ 0805 249K 0.1% 10PPM 1K RL



TE Part #7001003-ZZ  
RESISTOR ASSMB PL



Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

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

English

Customer View Model

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

English

Customer View Model

ENG\_CVM\_CVM\_DTM13-12PA-R008\_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

Agency Approvals

UL Report

English