



Connectors > PCB Connectors > Board-In Connectors > Paddle Board Connector



PCB Connector Assembly Type: **PCB Mount Paddleboard Connector**

PCB Mount Orientation: **Vertical**

Connector System: **Cable-to-Board**

Number of Positions: **12**

Centerline (Pitch): **1.27 mm [.05 in]**

[All Paddle Board Connector \(20\)](#)

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Paddleboard Connector
Connector System	Cable-to-Board
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

Wire Entry Location	Top
PCB Mount Orientation	Vertical
Number of Positions	12
Compatible With Wire & Cable Type	Ribbon Cable
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Primary Product Color	Red
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Contact Features

PCB Contact Termination Area Plating Material Thickness	3 - 5 μm[118.11 - 196.85 μin]
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Wire Contact Termination Area Plating Thickness	1 µm[39.37 µin]
Wire Contact Termination Area Plating Material Finish	Matte
Wire Contact Termination Area Plating Material	Tin
PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.5 mm[.02 in]
Rectangular Termination Post & Tail Width	.4 mm[.015 in]
Termination Post & Tail Length	3.2 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Retention Type	Kinked Solder Tails
PCB Mount Alignment	With
PCB Mount Retention	With

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
Housing Material	PBT GF

Dimensions

Connector Length	18.7 mm[.736 in]
Connector Height	5.1 mm[.2 in]
Row-to-Row Spacing	2 mm[.059 in]
Compatible Insulation Diameter Range	.8 - 1 mm[.035 - .039 in]
Wire Size	.08 - .09 mm ²

Usage Conditions

Operating Temperature Range	-40 - 105 °C[-40 - 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards



Compatible With Approved Standards Products	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2500
Packaging Method	Reel

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

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

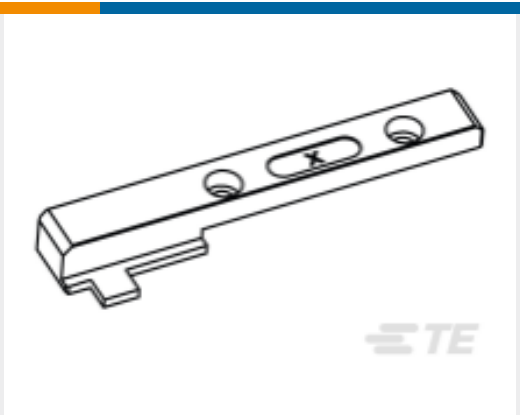




TE Part # 734024-1
Micro-MaTch ADAPTER, 4-24 POS.



TE Part # 2-438685-4
TERMINATION PUSHER



TE Part # 438685-1
TERM.PUSHER ASSY



TE Part # 677412-4
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(21)



Connector Contacts(4)



Insertion & Extraction Tools(1)

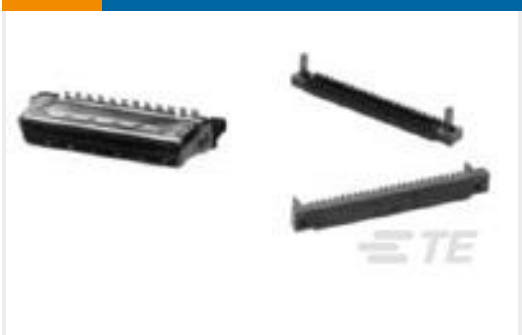


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

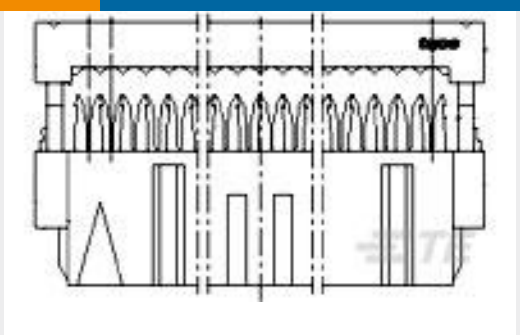
Customers Also Bought



TE Part # 1-5750913-5
50 50SR CABLE CONN KIT



TE Part # 770234-3
UMNL GRND PIN PTPPHBZ



TE Part # 5-215915-0
AMP-LATCH 15.2 HIGH TAPE



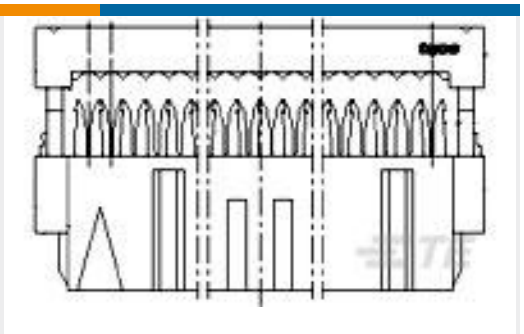
TE Part # 5-100103-0
50P.A/LSTRAIN REL.



TE Part # 62895-1
MAG-MATE POKE-IN TAB 018 TPBR



TE Part # 1-1534121-1
MQS ABDECKKAP6P,SW



TE Part # 4-215915-0
AMP-LATCH 15.2 HIGH TAPE



TE Part # CG3262-000
CI-FN10100



Documents

Product Drawings
MICRO-MATCH PBC.12P
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1-215570-2_S.2d_dxf.zip
English
Customer View Model
ENG_CVM_CVM_1-215570-2_S.3d_igs.zip
English
Customer View Model
ENG_CVM_CVM_1-215570-2_S.3d_stp.zip
English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages
Micro-MaTch Catalog
English
Ribbon Cable Interconnect Solutions
English
Centerline Micro-Match Connector Series
English

Product Specifications
Application Specification
English
micro match miniature connector system
English