



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



PCB Connector 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 \(19\)](#)

Features

Product Type Features

| | |
|-----------------------------------|-------------------------------------|
| PCB Connector 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

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|-----------------------|---------|
| Operating Voltage | 100 VDC |
| Insulation Resistance | 1000 MΩ |

Body Features

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|-----------------------|-----|
| Primary Product Color | Red |
|-----------------------|-----|

Contact Features

| | |
|-------------------------------|--------|
| Contact Underplating Material | Nickel |
|-------------------------------|--------|



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

Termination Features

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

Mechanical Attachment

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|--------------------------|---------------------|
| 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

| | |
|--------------------------------------|---------------------------|
| Row-to-Row Spacing | 2 mm[.059 in] |
| Compatible Insulation Diameter Range | .8 – 1 mm[.035 – .039 in] |
| Connector Height | 5.1 mm[.2 in] |
| Wire Size | 28 AWG |
| Connector Length | 18.7 mm[.736 in] |

Usage Conditions

| | |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application | Signal |

Industry Standards



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

Packaging Features

| | |
|--------------------|-------------|
| Packaging Quantity | 250 |
| Packaging Method | Box, Carton |

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 677412-4
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS



TE Part # 438685-1
TERM.PUSHER ASSY




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


Also in the Series | Micro-MaTch Industrial




Board-In Connectors(20)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

Customers Also Bought



TE Part #CAT-M5833-P131
Paddle Board Connector



TE Part #2-170823-8
187 FASTON SLEEVE, FLAG, REC., TRANSPARENT



TE Part #1625861-6
RH73 2A 5G 30% 500PPM 1K RL



TE Part #63316-3
187 FASTON FLAG REC 18-14 AWG NPST



TE Part #CAT-M5833-M2934A
Male-on-Wire Connector, Micro-MaTch



TE Part #5-2176525-3
3503G 2B 20K5 1% 1K RL



TE Part #1-338068-2
MICRO-MATCH FTE, 12P



Documents

Product Drawings

MICRO-MATCH PBC.12P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-215570-2_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-215570-2_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-215570-2_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