



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: **20**

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

[All Paddle Board Connector \(19\)](#)

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

PCB Mount Orientation	Vertical
Number of Positions	20
Compatible With Wire & Cable Type	Ribbon Cable
Number of Rows	2
Wire Entry Location	Top

Housing Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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]



Body Features

Primary Product Color	Red
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Mechanical Attachment

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

Contact Features

Contact Current Rating (Max)	1.5 A
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

Operation/Application

Circuit Application	Signal
Solder Process Feature	Board Standoff

Packaging Features

Packaging Method	Box, Carton
Packaging Quantity	250

Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	100 VDC
Insulation Resistance	1000 MΩ

Dimensions

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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	28.9 mm[1.138 in]

Industry Standards

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

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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

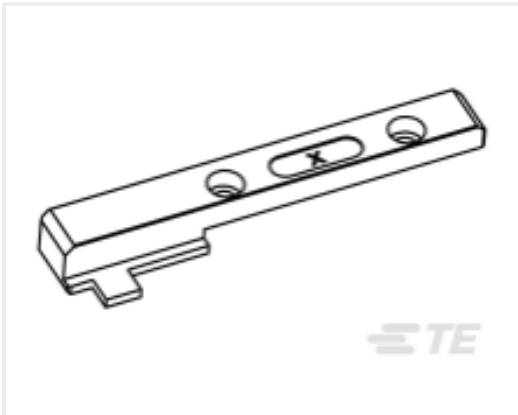
Product Compliance Disclaimer

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.

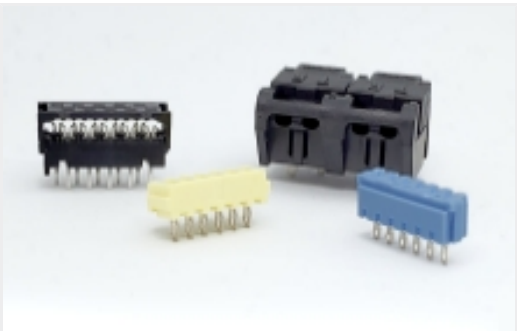


TE Part # 438685-1
TERM.PUSHER ASSY



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

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

Customers Also Bought



TE Part #1658610-4
09 POS HDF RCPT, MS, LEAD FREE



TE Part #8-215570-2
MICRO-MATCH PBC.12P



TE Part #9-215083-0
MICRO-MATCH MOW.20P



TE Part #5-534998-7
14 MODIV VRT DR CE 100/125



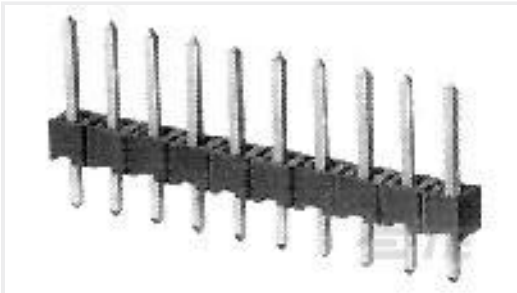
TE Part #3-1419108-8
RTD34024



TE Part #1705549-1
Invertible Modular Jack 8P shielded



TE Part #2-84953-8
1MM FPC HORZ.TOP CONT.ASSY 28P



TE Part #5-826648-0
50P AMPMODU II STIFT LEI



Documents

Product Drawings

MICRO-MATCH PBC.20P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_9-215570-0_S.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_9-215570-0_S.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_9-215570-0_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