

1-215570-8  ACTIVE

[Micro-MaTch](#) | [Micro-MaTch Industrial](#)

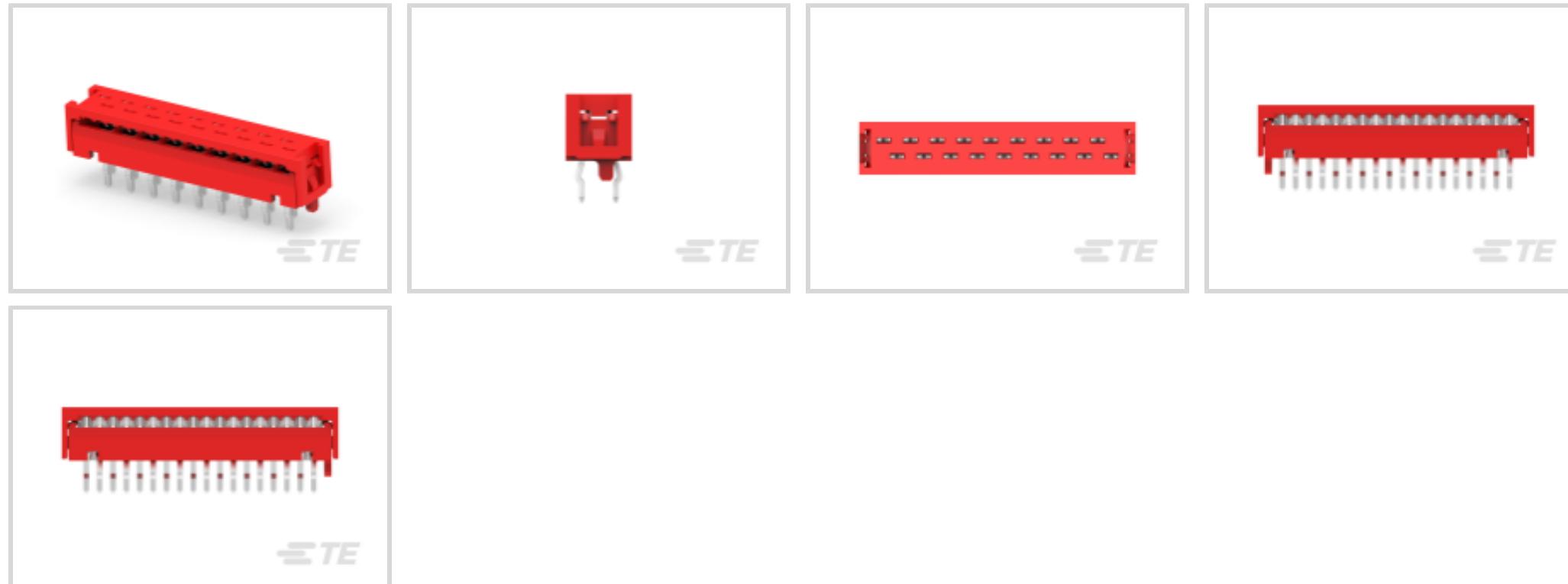
TE Internal #: 1-215570-8

PCB Mount Paddleboard Connector, Vertical, Cable-to-Board, 18 Position, .05 in [1.27 mm] Centerline, Ribbon Cable, Micro-MaTch Industrial

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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: **18**

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 **18**

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 $\mu\text{m}$ [118.11 - 196.85 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Thickness	1 $\mu\text{m}$ [39.37 $\mu\text{in}$ ]
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	26.3 mm[1.035 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 <sup>2</sup>

### 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

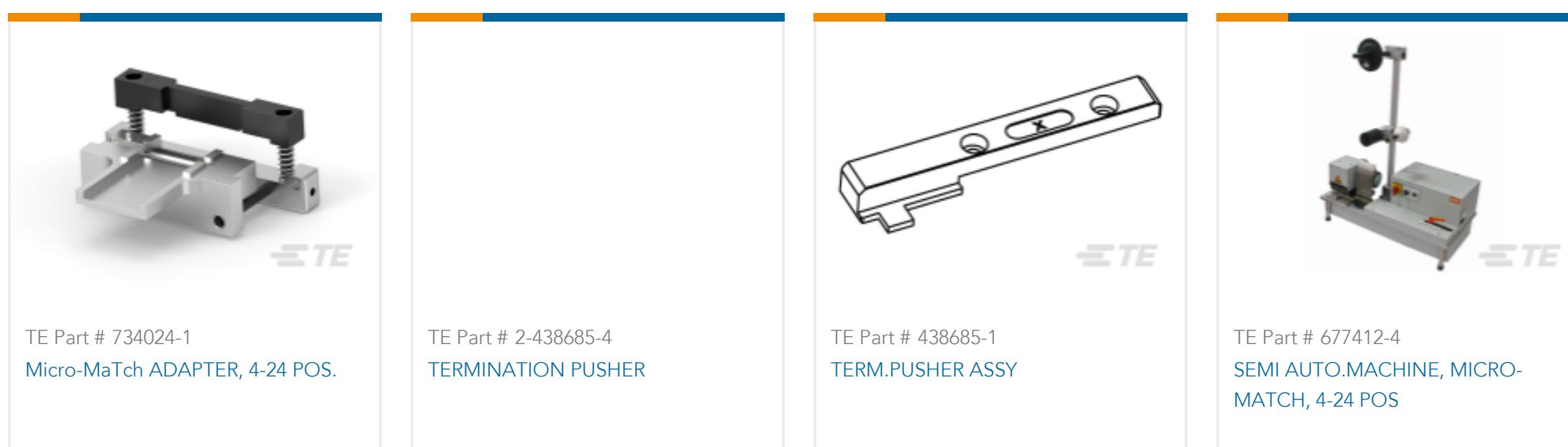
For compliance documentation, visit the product page on [TE.com](https://te.com)>

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

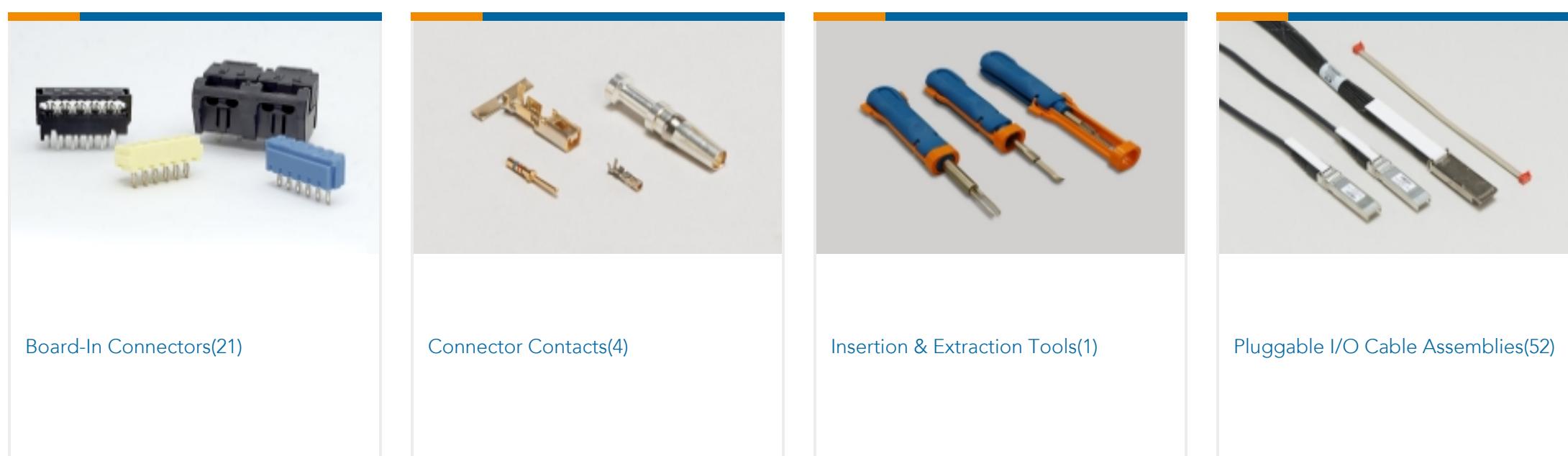
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



## Also in the Series

## Micro-MaTch Industrial



## Customers Also Bought





TE Part # 1SNA103943R2100  
FEF12-1 COLISE PAR 2000 PIECES

## Documents

### Product Drawings

#### [MICRO-MATCH PBC.18P](#)

English

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### CAD Files

#### [3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-215570-8\\_S.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-215570-8\\_S.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-215570-8\\_S.3d\\_stp.zip](#)

English

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

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### Datasheets & Catalog Pages

#### [Micro-MaTch Catalog](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

[Centerline Micro-Match Connector Series](#)

English

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### Product Specifications

#### [Application Specification](#)

English

[micro match miniature connector system](#)

English