



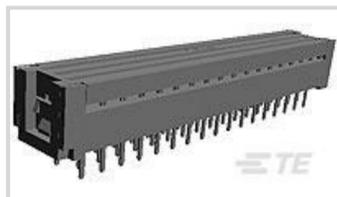
**AMP-LATCH**

TE Internal #: 1-5111595-1

PCB Mount Paddleboard Connector, Vertical, Cable-to-Board, 50 Position, .05 in [.64 mm / 1.27 mm] Centerline, Ribbon Cable, Through Hole - Solder

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Connectors > PCB Connectors > Board-In Connectors



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

PCB Mount Orientation: **Vertical**

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

Number of Positions: **50**

Centerline (Pitch): **.64 mm, 1.27 mm [.05 in ]**

**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	50
Compatible With Wire & Cable Type	Ribbon Cable
Number of Rows	4

**Electrical Characteristics**

Insulation Resistance	5000 MΩ
Operating Voltage	30 VAC

**Body Features**

Primary Product Color	Black
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**Contact Features**

PCB Contact Termination Area Plating Material Thickness	2.54 – 5.08 μm[100 – 200 μin]
Wire Contact Termination Area Plating Thickness	2.54 – 5.08 μm[100 – 200 μin]
Wire Contact Termination Area Plating Material	Tin-Lead
PCB Contact Termination Area Plating Material	Tin-Lead



Contact Base Material	Copper Alloy
Contact Current Rating (Max)	.5 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.2 mm[.008 in]
Rectangular Termination Post & Tail Width	.61 mm[.024 in]
Termination Post & Tail Length	2.54 mm[.1 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

PCB Mount Alignment	Without
PCB Mount Retention	Without

### Housing Features

Centerline (Pitch)	.64 mm, 1.27 mm[.05 in]
Housing Material	Thermoplastic

### Dimensions

Connector Length	36.47 mm[1.44 in]
Connector Height	6.93 mm[.548 in]
Row-to-Row Spacing	2 mm
Wire Size	32 – 30 AWG

### Usage Conditions

Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	70
Packaging Type	Tray

### Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



## Documents

### Product Drawings

[050 ASSY SYS 50 PADDLEBOARD](#)

English

### CAD Files

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-5111595-1\\_C.2d\\_dxf.zip](#)

English

[3D PDF](#)

3D



### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5111595-1\\_C.3d\\_igs.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-5111595-1\\_C.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[AMPMODU\\_INTERCONNECTION\\_SYSTEM\\_SECTION3AND4](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

### Product Specifications

[Application Specification](#)

English