1-215570-2 ✔ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-215570-2

PCB Mount Paddleboard Connector, Vertical, Cable-to-Board, 12 Position, .05 in [1.27 mm] Centerline, Ribbon Cable, Micro-MaTch Industrial

View on TE.com >

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

Daisy Chain	With
Primary Product Color	Red

Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
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]
Accepts Wire 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]

Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Rating	Recognized
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	2500
Packaging Type	Reel

Product Compliance

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

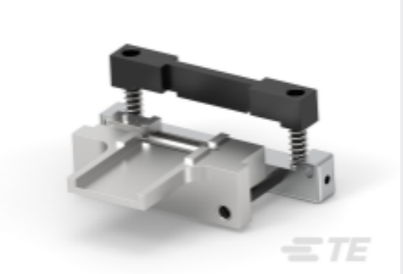
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not 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

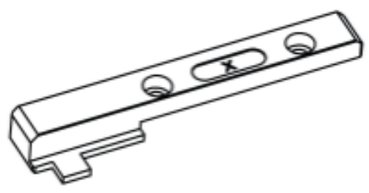
TE Part # 734155-1
TOOLING KIT ASSY.



TE Part # 734024-1
ADAPTER (MICROMATCH)

TE Part # 1-167019-2
12P. RIBBCBL 28AWG P1.27

TE Part # 2-438685-4
TERMINATION PUSHER



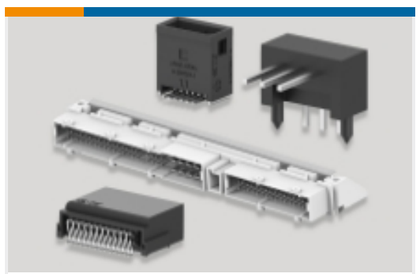
TE Part # 438685-1
TERM.PUSHER ASSY

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

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(20)

Insertion & Extraction Tools(1)



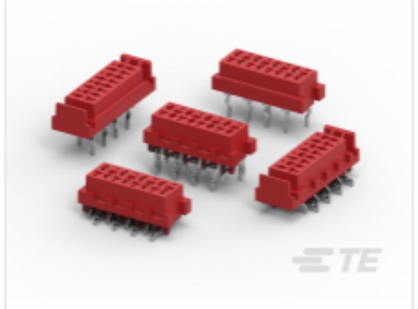
PCB Headers & Receptacles(1)

Pluggable I/O Cable Assemblies(52)

Ribbon Cable Connectors(184)

Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #1-215079-2
FEMALE-ON-BOARD CONNECTOR TOP ENTRY

TE Part #1658615-3
15 POS HDF PLUG, AP, LEAD FREE

TE Part #5569380-1
STK MJ,8POS,2X1,SHLD,CAT5

TE Part #500004-1
SPIRAP 1/4" FR PE, WHITE, 50FT

TE Part #1676647-2
RN 0805 13R3 0.1% 10PPM 1K RL

TE Part #1-1627216-1
H3375/1000

TE Part #361338-8
HST140M/100 C/Tie 140x2.5

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

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

Product Environmental Compliance

TE Material Declaration

English