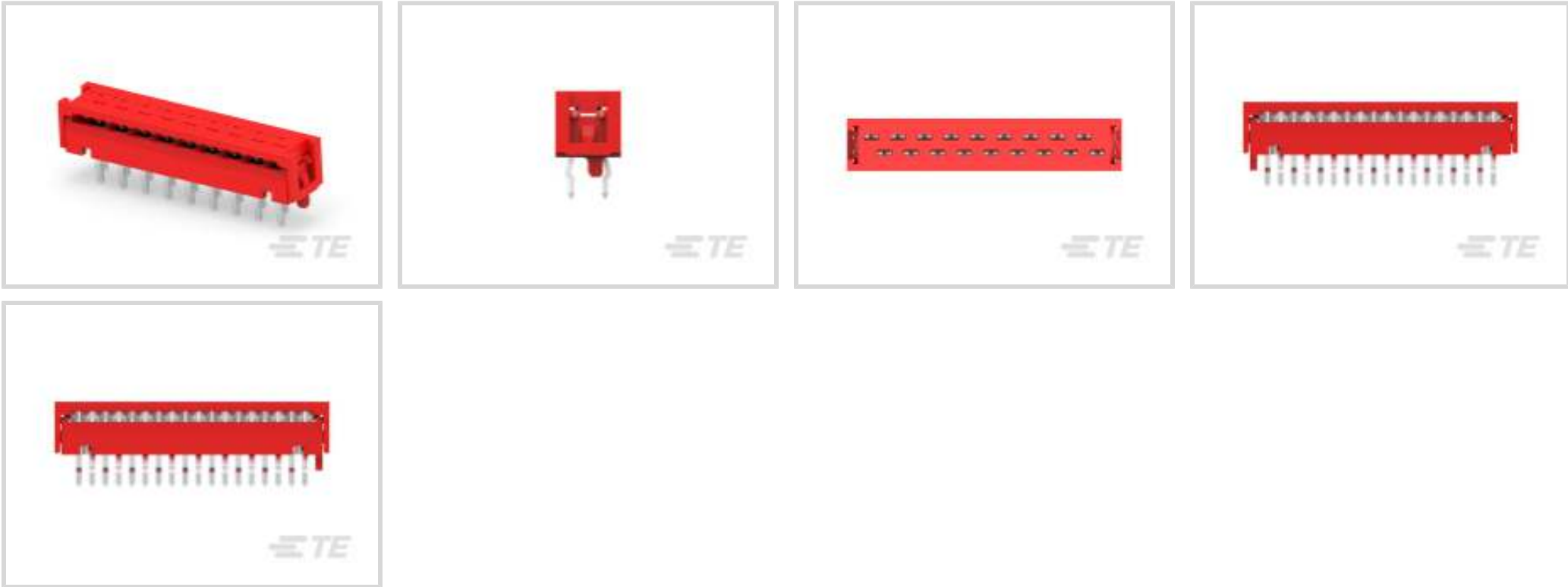




Connectors > PCB Connectors > Board-In Connectors > Paddle Board Connector



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 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	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 mm²

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

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: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) 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
Micro-MaTch HANDTOOL KIT w.o. ADAPTER

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

TE Part # 1-167019-8
18P. 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(53)

Ribbon Cable Connectors(185)

Wire-to-Board Connector Contacts(4)

Customers Also Bought

TE Part #281698-4
HE13/HE14 TH Headers, SRRA

TE Part #647402-6
06P SL156 HSG W/RMP&TABS,OVSZ

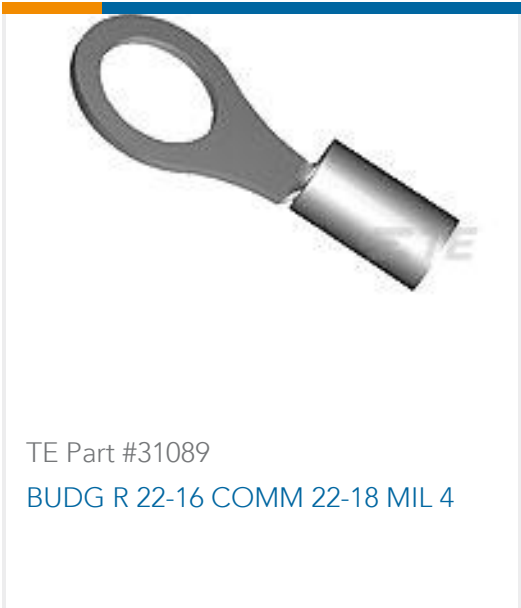
TE Part #4-2176070-1
3521 470R 1% 2W

TE Part #6-2176231-6
3522 5K1 1% 3W





TE Part #640900-1
05P UMNL PIN HDR ASSY 94VO



TE Part #31089
BUDG R 22-16 COMM 22-18 MIL 4



TE Part #DT15-12PC
HDR, 12P, GRN, ST, NI/CU, C



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

Documents

Product Drawings
MICRO-MATCH PBC.18P
English

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.

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