

MICRO-MATCH PBC.12P

✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Part # 1-215570-2

TE Internal #: 1-215570-2

PADDLE BOARD CONNECTOR

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >

PADDLE BOARD CONNECTOR



Connector System: **Cable-to-Board**
Number of Positions: **12**
Centerline (Pitch): **1.27 mm [.05 in]**
PCB Mount Retention: **With**
PCB Mount Retention Type: **Kinked Solder Tails**

[All PADDLE BOARD CONNECTOR \(20\)](#)

Features

Product Type Features

Product Type	Connector
Board Standoff	With
Type of Connector	Paddleboard
Connector Type	Connector Assembly
Wire/Cable Type	Ribbon Cable
Header Type	Shrouded
Connector System	Cable-to-Board
Row-to-Row Spacing	1.5 mm
Connector Style	Paddle-Board
Profile	Standard
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Ejection Latches	Without
Number of Positions	12
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	100 VAC
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Insulation Resistance	1000 MΩ
Body Features	
Daisy Chain	Without
Contact Features	
Contact Termination Area Plating Material	Tin
Contact Design	Press-Fit
Contact Transmits (Typical)	Signal (Data)
Vacuum Tape	Without
Contact Mating Area Plating Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Termination Area Plating Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Type	Pin
Contact Mating Area Plating Material	Tin
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	
Termination Post Length	3.2 mm[.125 in]
Termination Method to Printed Circuit Board	Through Hole
Termination Method to Wire & Cable	Insulation Displacement Crimp (IDC)
Mechanical Attachment	
Polarization	Without
Mating Retention	Without
Mating Alignment	Without
Contact Retention in Housing	Press-Fit
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Alignment Type	Polarization
Mating Connector Lock	Without
Housing Features	



Mating Entry Location	Top
Housing Material	Polyester - GF
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Length	18.7 mm[.736 in]
Height	5.1 mm[.2 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Insulation Diameter	.9 mm[.035 in]
Wire Size	.08 – .09 mm²

Usage Conditions

Operating Temperature Range	-40 – 105 °C
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Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	2500
Packaging Method	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 2019 (197) Candidate List Declared Against: JUN 2018 (191)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | **Micro-MaTch Industrial**



Pluggable I/O Cable Assemblies(54)



Ribbon Cable Connectors (203)

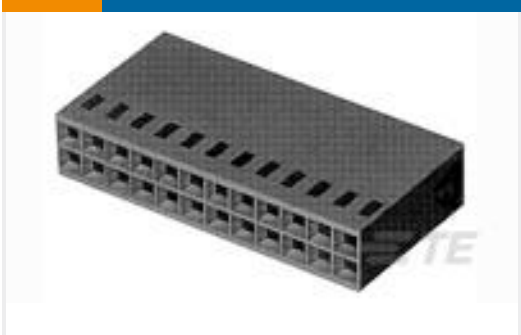


Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #163300-8
MATENLOK SOCKET



TE Part #144095-2
HOUSING MODU IV 2X3 P NEUTRAL



TE Part #166309-2
MOD-5 REC.CONTACT



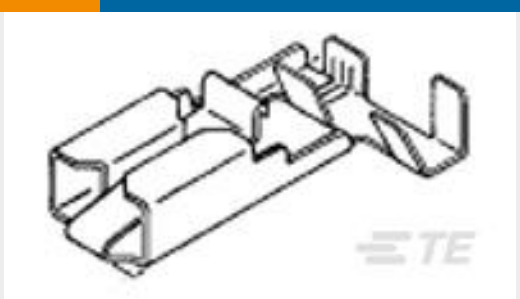
TE Part #925819-3
MINI AMP-IN 26-22 AWG



TE Part #1775441-3
EMIX CONN., 1.5MM PITCH, RCPT, HSG, 3P



TE Part #150571-2
FF 110 REC 0.2-0.56MM2 TPBR



TE Part #926820-1
PL 250 REC TERMINAL-FLAG 20-15 PTPPB

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