

## Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-215464-0 Ribbon Cable Connectors, Board-to-Board, 10 Position, 1.27 mm [. 05 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Micro-MaTch Industrial

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

Male-on-Board Connector, Micro-MaTch



Connector System: Board-to-Board Number of Positions: 10 Centerline (Pitch): 1.27 mm [.05 in ] PCB Mount Retention: With PCB Mount Retention Type: Kinked Solder Tails All Male-on-Board Connector, Micro-MaTch (36)

## Features

## **Product Type Features**

Ribbon Cable Connector Header Type

Shrouded

Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2
Electrical Characteristics	
Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC
Body Features	
Daisy Chain	Without
Primary Product Color	Red
Connector Profile	Standard

**C** For support call+1 800 522 6752

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## **Contact Features**

PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
Contact Mating Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Mating 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	Copper Alloy
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	3.1 mm[.122 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

## Mechanical Attachment

Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Тор
Housing Material	PBT GF
Centerline (Pitch)	1.27 mm[.05 in]
Dimensions	

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Connector Length	11.43 mm[.45 in]
Connector Height	6.9 mm[.27 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Row-to-Row Spacing	2 mm[.059 in]
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 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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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Wave solder capable to 265°C

#### Product Compliance Disclaimer

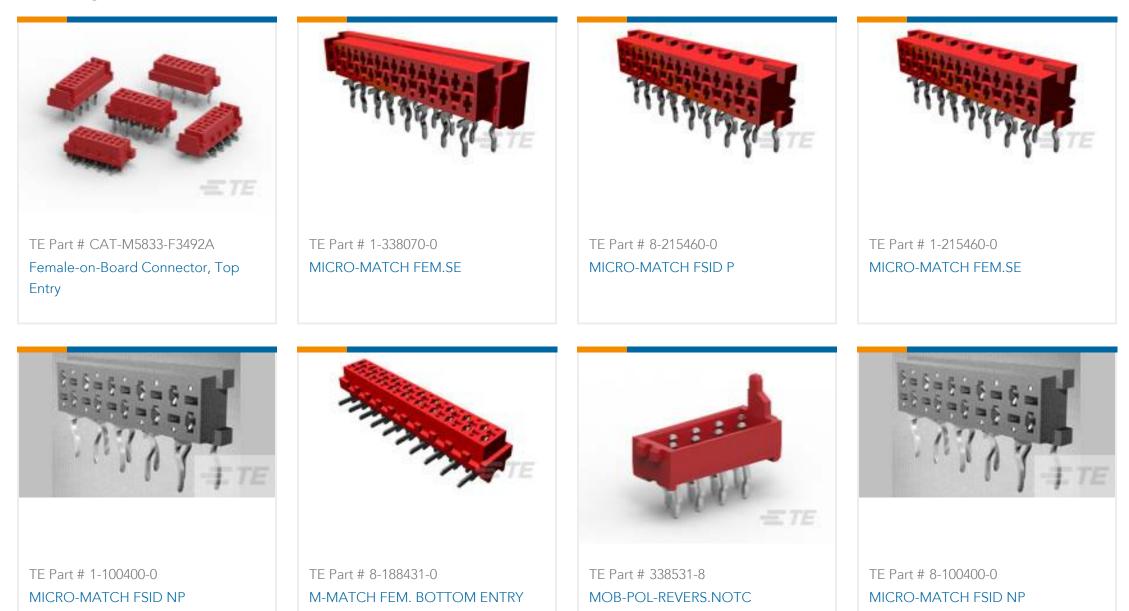
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

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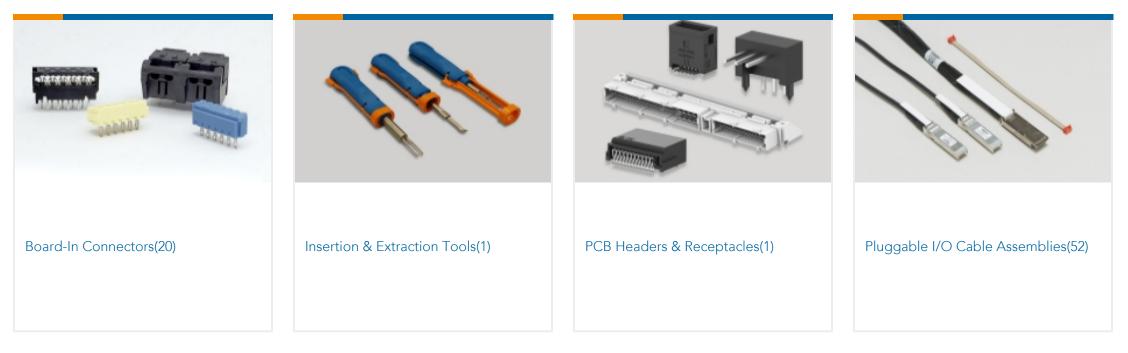
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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-onreach

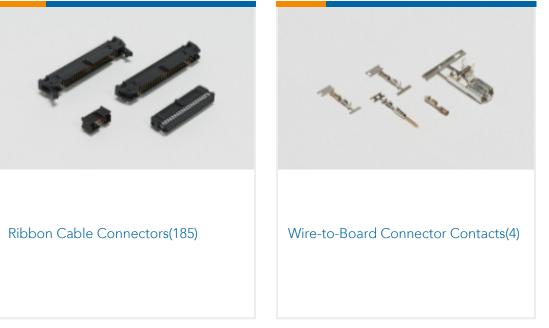
# **Compatible Parts**



SMD INB.CONN.

# Also in the Series | Micro-MaTch Industrial

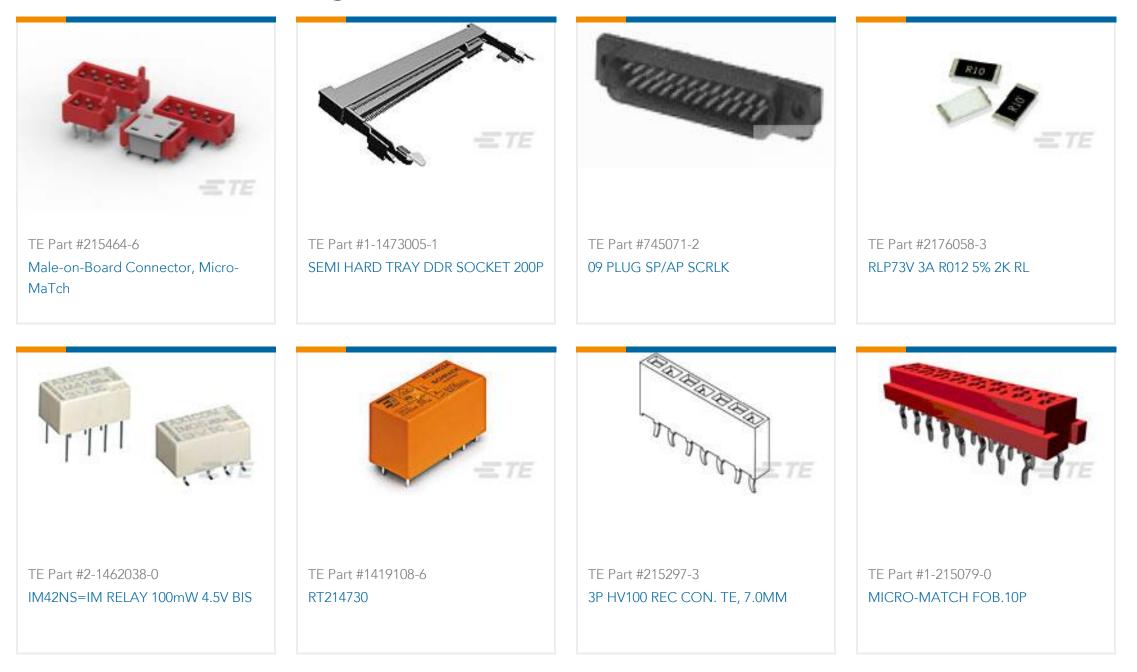




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# Customers Also Bought



## Documents

#### **CAD** Files

3D PDF

3D

## **Customer View Model**

## ENG\_CVM\_CVM\_1-215464-0\_C.2d\_dxf.zip

English

**Customer View Model** ENG\_CVM\_CVM\_1-215464-0\_C.3d\_igs.zip

English

Customer View Model ENG\_CVM\_CVM\_1-215464-0\_C.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** 

**Product Specification** 

English

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Product Environmental Compliance

Product Compliance Document

English

Product Compliance Document

English

MATERIAL DECLARATION 1-215464-0

English

Agency Approvals UL Report

English