



Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-215079-2

Board-to-Board / Wire-to-Board, 12 Position, 1.27 mm [.05 in]

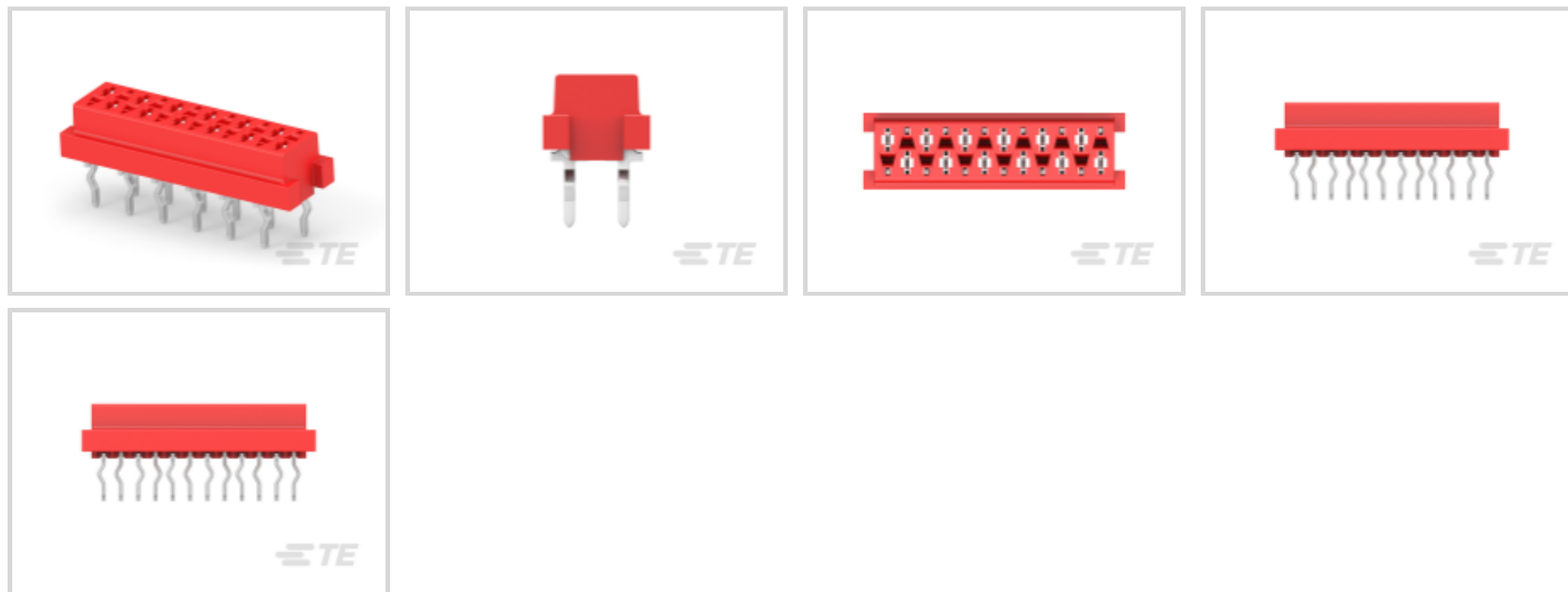
Centerline, Vertical, Micro-MaTch Industrial, Ribbon Cable

Connectors

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

Female-on-Board Connector, Top Entry



Connector System: **Wire-to-Board, Board-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 Female-on-Board Connector, Top Entry \(67\)](#)

## Features

### Product Type Features

Connector System	Wire-to-Board, Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly
Ribbon Cable Connector Type	Female-on-Board
Ribbon Cable Connector Header Type	Shrouded

### Configuration Features

Number of Positions	12
PCB Mount Orientation	Vertical
Number of Rows	2

### Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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Mating Entry Location	Top
Housing Material	PBT GF

### Mechanical Attachment

PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount
Contact Retention Type Within Housing	Press-Fit
Mating Alignment	With
PCB Mount Alignment	Without

### Termination Features

Termination Method to PCB	Through Hole - Solder
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Post & Tail Length	3.1 mm[.122 in]

### Dimensions

Row-to-Row Spacing	2 mm[.059 in]
PCB Thickness (Recommended)	1.6 mm[.062 in]
Connector Height	4 mm[.16 in]
Connector Length	17.3 mm[.681 in]

### Body Features

Connector Profile	Standard
Daisy Chain	Without
Primary Product Color	Red

### Contact Features

Contact Current Rating (Max)	1 A
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]



Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket

### Operation/Application

Circuit Application	Signal
Solder Process Feature	Board Standoff

### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Electrical Characteristics

Operating Voltage	100 VDC
Insulation Resistance	1000 MΩ

### Industry Standards

Compatible With Agency/Standards Products	UL
UL Rating	Recognized
UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476

### Packaging Features

Packaging Quantity	250
Packaging Method	Box & Carton

### 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 2024 (241) Candidate List Declared Against: JUNE 2024 (241)



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

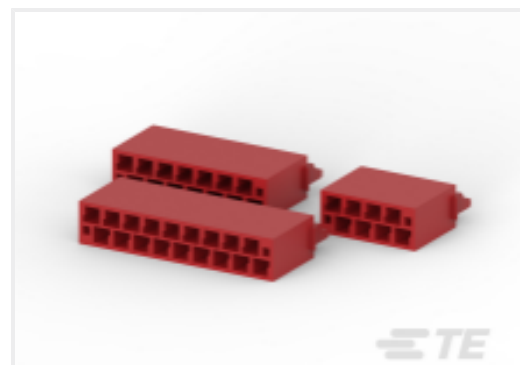
Product Compliance Disclaimer

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>

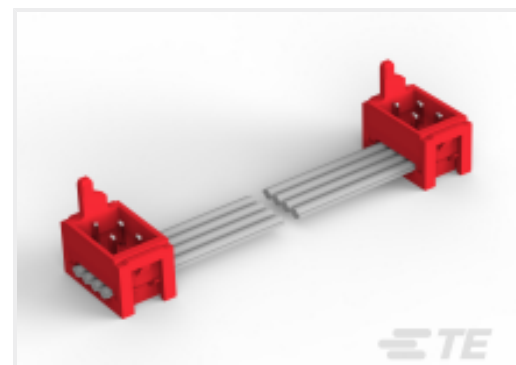
## Compatible Parts



TE Part # CAT-M5833-M2934A  
Male-on-Wire Connector, Micro-MaTch



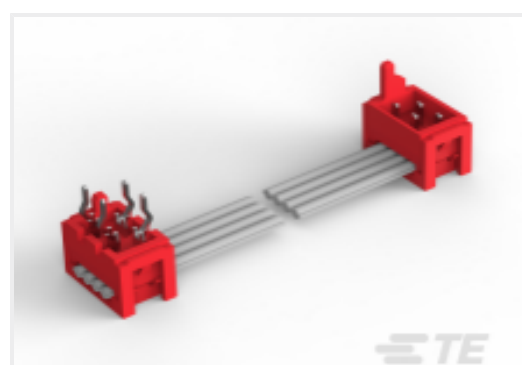
TE Part # CAT-M5833-C8684  
Crimp-on-Snap-in Housing



TE Part # CAT-M5833-C1121  
MICRO-MATCH STD MOW TO MOW  
CABLE ASSY

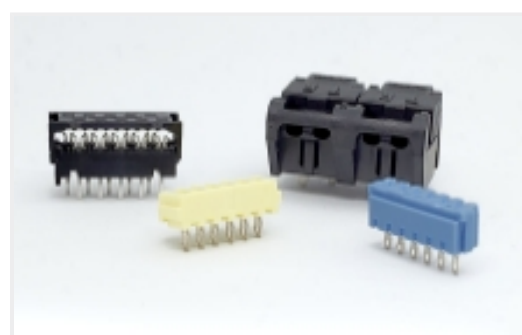


TE Part # CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch



TE Part # CAT-M5833-C1121A  
MICRO-MATCH STD PB TO MOW  
CABLE ASSY

## Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



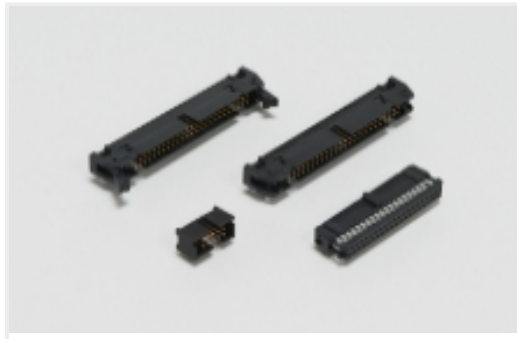
Connector Contacts(4)



Insertion & Extraction Tools(1)

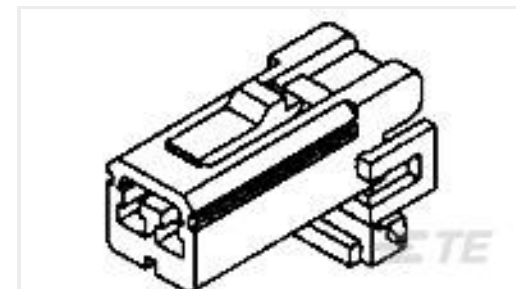
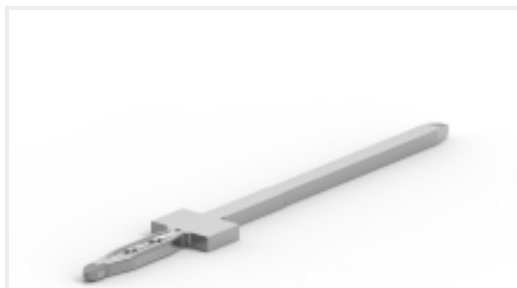


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

## Customers Also Bought

TE Part #8-188275-2  
MICRO-MATCH SMD FTETE Part #8-215464-8  
18P.MICRO-MATCH MOBTE Part #6-1437719-5  
T01-0570-P05-MALE REC PANEL-PCB  
STRAIGHTTE Part #174463-1  
070 MULTILOCK 2P PTE Part #1-1743447-2  
PRESS FIT PIN TERMINALSTE Part #2003434-F  
HDIB001DUF8P5; PRES; 0...1bar; 4V; 5VTE Part #1-1393239-2  
RT114020

## Documents

### Product Drawings

#### MICRO-MATCH FOB.12P

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-215079-2\\_T.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-215079-2\\_T.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_8-215079-2\\_T.3d\\_stp.zip](#)

English

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



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## Datasheets & Catalog Pages

### Micro-MaTch Catalog

English

### Ribbon Cable Interconnect Solutions

English

### Centerline Micro-Match Connector Series

English

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## Product Specifications

### Product Specification

English

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## Agency Approvals

### UL Report

English