

8-215079-2 ✓ ACTIVE

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

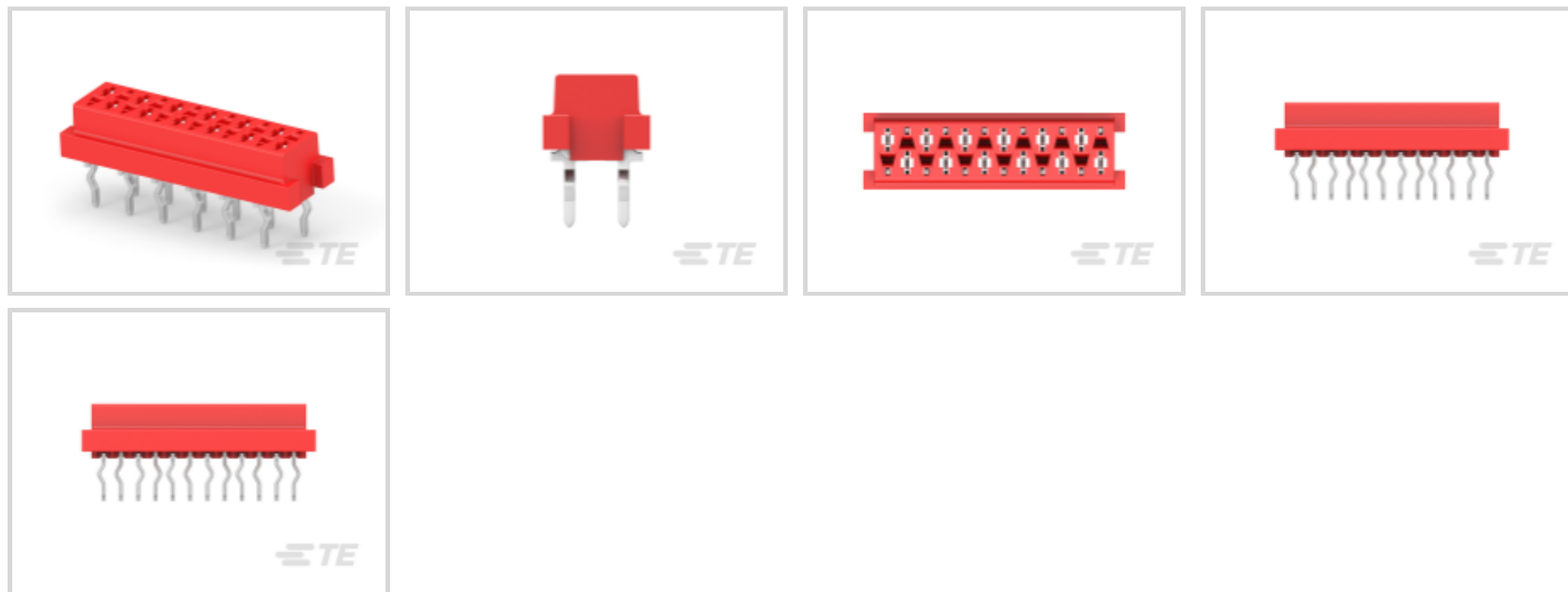
Connectors

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

### Configuration Features

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

### Electrical Characteristics

Operating Voltage	100 VDC
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Insulation Resistance	1000 MΩ
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### Body Features

Daisy Chain	Without
Primary Product Color	Red
Connector Profile	Standard

### Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	1 A

### Termination Features

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]
Termination Method to PCB	Through Hole - Solder

### Mechanical Attachment

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

### Housing Features

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

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

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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### Operation/Application

Solder Process Feature	Board Standoff
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Circuit Application	Signal
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### Industry Standards

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

Packaging Quantity	250
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Packaging Method	Box & Carton
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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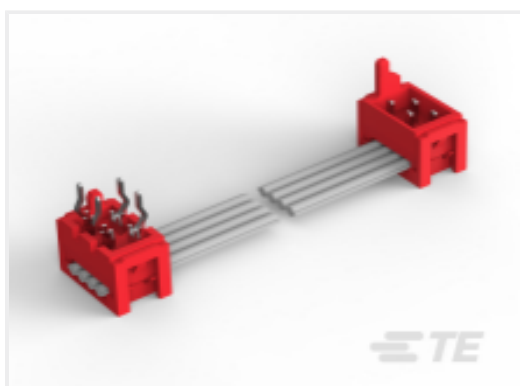
Solder Process Capability	Wave solder capable to 265°C
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Product Compliance Disclaimer

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>

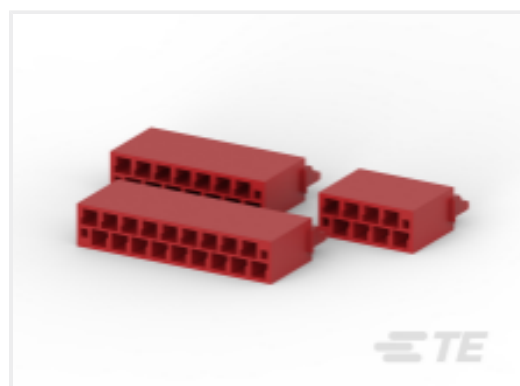
## Compatible Parts



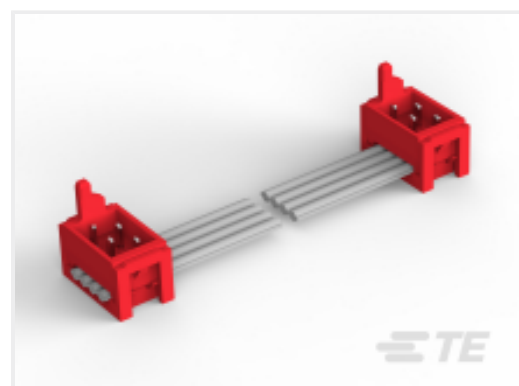
TE Part # CAT-M5833-C1121A  
MICRO-MATCH STD PB TO MOW  
CABLE ASSY



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



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

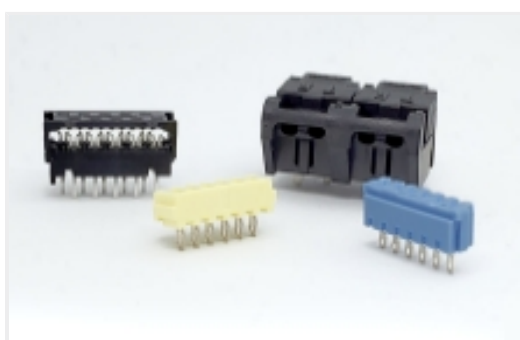


TE Part # CAT-M5833-C1121  
MICRO-MATCH STD MOW TO MOW  
CABLE ASSY



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

## Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



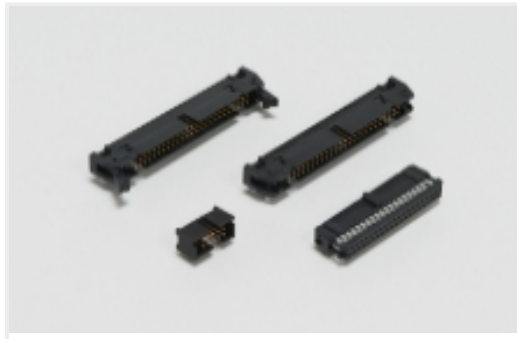
Connector Contacts(4)



Insertion & Extraction Tools(1)

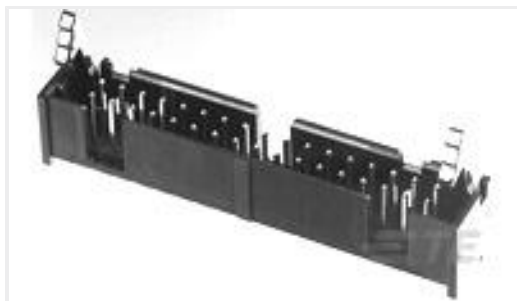
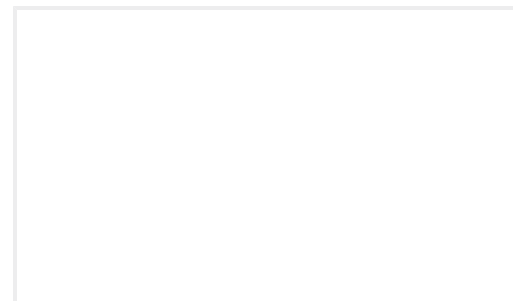


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

## Customers Also Bought

TE Part #2-1761608-5  
IDC LOW PRO HDR 14P VERT SHT LTE Part #2003434-F  
HDIB001DUF8P5; PRES; 0...1bar; 4V; 5VTE Part #3-1624112-2  
3650 0402 3.9nH 5% 2K RLTE Part #86479-2  
16 MODII HDR DRRR UNSHRD .100TE Part #CAT-AC853-T273  
PRESS FIT PIN TERMINALSTE Part #7-1676480-5  
CRG0402 1% 56KTE Part #5-1437720-2  
T01-500-3.3=INDUSTRIAL CONNECTTE Part #5-1393236-7  
V23092-A1905-A301TE 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