

7-215079-8 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-215079-8

Board-to-Board / Wire-to-Board, 8 Position, 1.27 mm [.05 in]

Centerline, Vertical, Micro-MaTch Industrial, Ribbon Cable

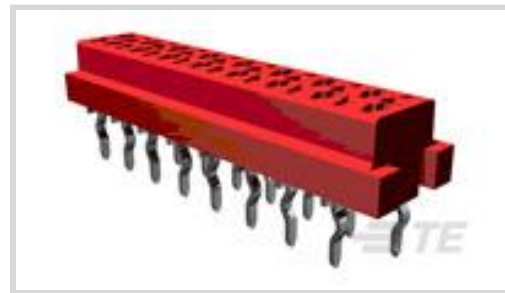
Connectors

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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: **8**

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   | 8        |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

### Housing Features

|                       |                  |
|-----------------------|------------------|
| Centerline (Pitch)    | 1.27 mm [.05 in] |
| 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            | 12.2 mm[.48 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 $\mu$ m[118.11 – 196.85 $\mu$ in] |
| Contact Shape & Form                                    | Dual Beam                               |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 $\mu$ m[118.11 – 196.85 $\mu$ 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] |
|-----------------------------|----------------------------|

### 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>](#)

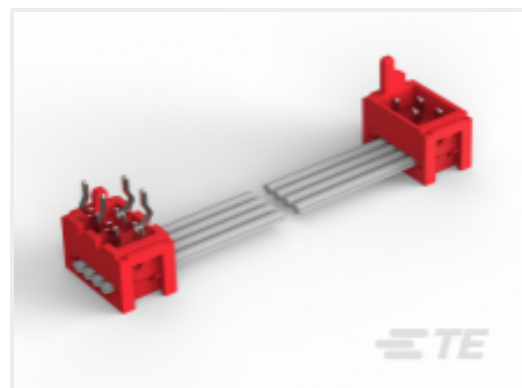
|   |   |
|---|---|
| EU RoHS Directive 2011/65/EU                  | Compliant   |
| EU ELV Directive 2000/53/EC                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold   |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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-C1121A  
MICRO-MATCH STD PB TO MOW  
CABLE ASSY



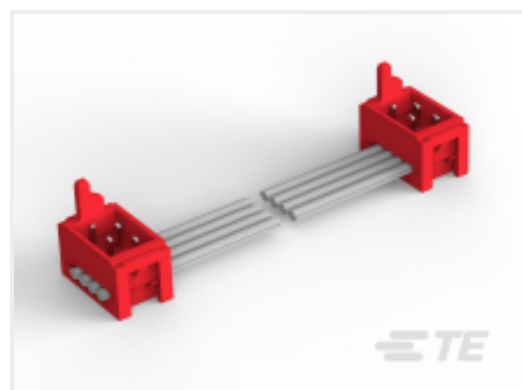
TE Part # CAT-M5833-M2934A  
Male-on-Wire Connector, Micro-MaTch



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

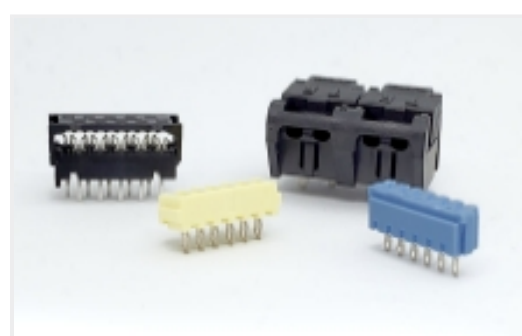


TE Part # 338095-8  
MICRO-MATCH COSI HSG.



TE Part # CAT-M5833-C1121  
MICRO-MATCH STD MOW 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



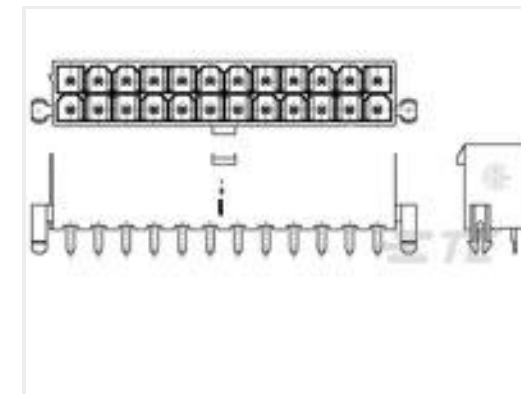
TE Part #8-215079-0  
Female-on-Board Connector, Top Entry



TE Part #7-215464-8  
Male-on-Board Connector, Micro-MaTch



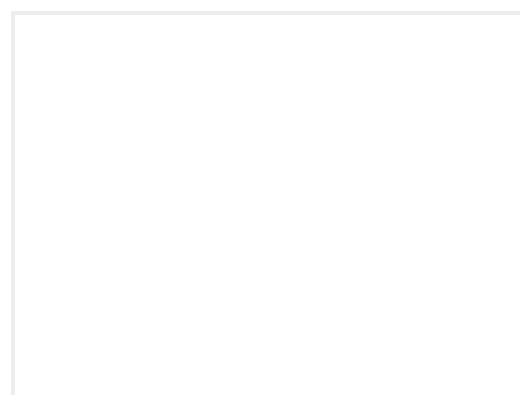
TE Part #2205062-2  
CA MICRO-MATCH MOW-MOW  
8POS



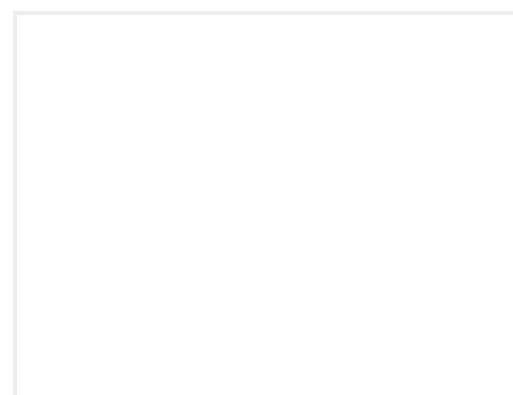
TE Part #2-1586040-4  
24P VAL-U-LOK VRT HDR W/P V0



TE Part #2-2363961-4  
0.4mm BTB CONN H0.8 REC  
ASSEMBLY, 24P



TE Part #2322324-1  
6 POS. MICRO-MATCH CA. PB-MOW,  
L=75MM



TE Part #293265-1  
peripheral seal



TE Part #3-336369-1  
250 FASTON HSG., REC., 1 POS,  
NATRUAL

## Documents

### Product Drawings

#### MICRO-MATCH FOB.08P

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215079-8\\_T.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215079-8\\_T.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215079-8\\_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