



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: **18**

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

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 |

Operation/Application

|                        |                |
|------------------------|----------------|
| Solder Process Feature | Board Standoff |
| Circuit Application    | Signal         |

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] |
| Mating Tab Width  | .7 mm[.028 in]                |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 µm[118.11 – 196.85 µin] |
| Contact Mating Area Plating Material                    | Tin                           |
| Contact Base Material                                   | Copper Alloy                  |
| Mating Tab Thickness                                    | .4 mm[.016 in]                |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Type  | Pin                           |
| Contact Current Rating (Max)                            | 1 A                           |

Body Features

|                       |          |
|-----------------------|----------|
| Daisy Chain           | Without  |
| Primary Product Color | Red      |
| Connector Profile     | Standard |

Dimensions

|                             |                  |
|-----------------------------|------------------|
| PCB Thickness (Recommended) | 1.6 mm[.062 in]  |
| Connector Height            | 6.9 mm[.27 in]   |
| Connector Length            | 21.59 mm[.85 in] |
| Row-to-Row Spacing          | 2 mm[.059 in]    |

Termination Features

|   |                       |
|---|-----------------------|
| Rectangular Termination Post & Tail Width     | .4 mm[.015 in]        |
| Rectangular Termination Post & Tail Thickness | .5 mm[.02 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 Alignment Type                 | Polarization        |
| Mating Retention                      | With                |
| Mating Retention Type                 | Contact Friction    |
|                                       |                     |



|                         |             |
|-------------------------|-------------|
| Connector Mounting Type | Board Mount |
|-------------------------|-------------|

Housing Features

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

Product Type Features

|                                    |                       |
|------------------------------------|-----------------------|
| Connector Product Type             | Connector Assembly    |
| Ribbon Cable Connector Header Type | Shrouded              |
| Connector System                   | Board-to-Board        |
| Connector & Housing Type           | Plug                  |
| Connector & Contact Terminates To  | Printed Circuit Board |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 18       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Usage Conditions

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

Other

|                    |           |
|--------------------|-----------|
| EU RoHS Compliance | Compliant |
| EU ELV Compliance  | Compliant |

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 # 1-215460-8  
MICRO-MATCH FEM.SE

TE Part # 8-100400-8  
MICR-MATCH FSID NP

TE Part # 1-338070-8  
MICRO-MATCH FEM.SE

TE Part # 1-100400-8  
MICRO-MATCH FSID NP

TE Part # CAT-M5833-F3492A  
Female-on-Board Connector, Top Entry

TE Part # 8-215460-8  
MICRO-MATCH FSID P

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(20)

Connector Contacts(4)

Insertion & Extraction Tools(1)

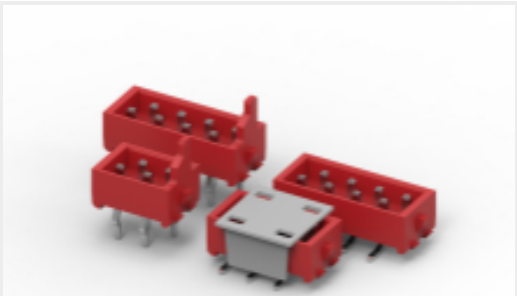
Pluggable I/O Cable Assemblies(52)





Ribbon Cable Connectors(183)

Customers Also Bought



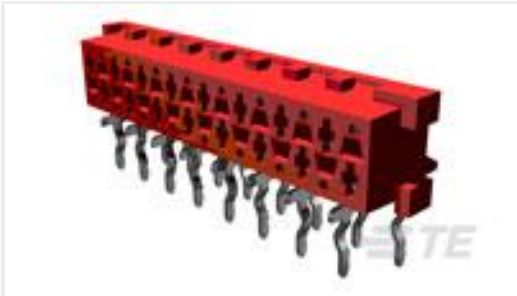
TE Part #CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch



TE Part #1-1625984-9  
HSA50 1K5 5%



TE Part #1-1337604-0  
SMB SMT Skt 50Ohm Gold Pltd



TE Part #8-215460-6  
MICRO-MATCH FSID P



TE Part #8-215460-4  
MICR-MATCH FSID P



TE Part #1614885-4  
CPF 0805 68K 0.1% 25PPM 1K RL



TE Part #2-1879225-4  
CPF 0603 68K1 0.1% 25PPM 1K RL

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-215464-8\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215464-8\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215464-8\_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

---

[Agency Approvals](#)

[UL Report](#)

English