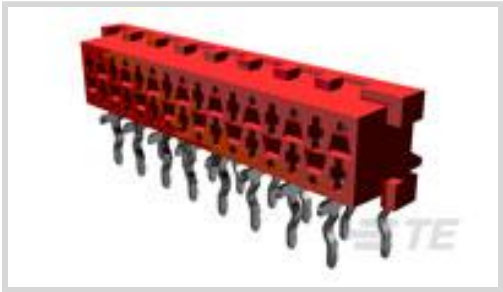




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Cable-to-Board**  
Number of Positions: **16**  
Centerline (Pitch): **2.54 mm [.1 in]**  
PCB Mount Retention: **With**  
PCB Mount Retention Type: **Kinked Legs**

Features

Product Type Features

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

Configuration Features

|                       |             |
|-----------------------|-------------|
| Number of Positions   | 16          |
| PCB Mount Orientation | Right Angle |
| Number of Rows        | 2           |

Electrical Characteristics

|                       |         |
|-----------------------|---------|
| Insulation Resistance | 1000 MΩ |
| Operating Voltage     | 100 VAC |

Body Features

|                       |          |
|-----------------------|----------|
| Primary Product Color | Red      |
| Connector Profile     | Standard |

Contact Features

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μm[118.11 – 196.85 μin] |
| Contact Layout                                          | Staggered                     |



|                                                      |                               |
|------------------------------------------------------|-------------------------------|
| Contact Type                                         | Receptacle                    |
| 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 Mating Area Plating Material Finish          | Matte                         |
| Contact Underplating Material                        | Nickel                        |
| PCB Contact Termination Area Plating Material        | Tin                           |
| Contact Base Material                                | Phosphor Bronze               |
| Contact Current Rating (Max)                         | 1.5 A                         |

Termination Features

|                                             |                       |
|---------------------------------------------|-----------------------|
| Termination Method to Printed Circuit Board | Through Hole - Solder |
|---------------------------------------------|-----------------------|

Mechanical Attachment

|                          |              |
|--------------------------|--------------|
| Mating Alignment         | With         |
| PCB Mount Alignment      | Without      |
| PCB Mount Retention      | With         |
| PCB Mount Retention Type | Kinked Legs  |
| Mating Alignment Type    | Polarization |
| Mating Retention         | Without      |
| Connector Mounting Type  | Board Mount  |

Housing Features

|                       |                  |
|-----------------------|------------------|
| Mating Entry Location | Side             |
| Housing Material      | Glass Filled PBT |
| Centerline (Pitch)    | 2.54 mm[.1 in]   |

Dimensions

|                    |                 |
|--------------------|-----------------|
| Row-to-Row Spacing | 1.5 mm[.059 in] |
|--------------------|-----------------|

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| 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)<br>Candidate List Declared Against: JUNE 2023 (235)<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-M2934A  
Male-on-Wire Connector, Micro-MaTch

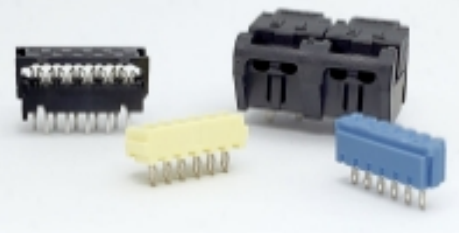


TE Part # CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch



TE Part # 1-338095-6  
MICRO-MATCH COSI HSG

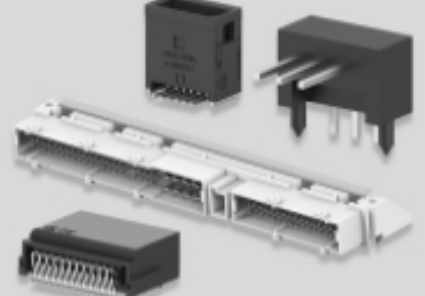
Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(185)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



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



TE Part #215464-6  
06P.MICRO-MATCH MOB



TE Part #1-215083-6  
MICRO-MATCH MOW.16P



TE Part #4-2176231-1  
3522 470R 1% 3W



TE Part #1-1625971-3  
HSA25 18R 5%



TE Part #5-520315-7  
TRIOMATE ASSY V 7P L=3.556



TE Part #2-1445055-2  
MICRO MNL HDR ASSY S/ROW LF



TE Part #1-1879417-6  
CPF 0603 750K 0.1% 25PPM 1K RL



Documents

Product Drawings

MICRO-MATCH FEM.SE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-215460-6\_J.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-215460-6\_J.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-215460-6\_J.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

Product Environmental Compliance

Product Compliance

English

Product Compliance

English



[Agency Approvals](#)

[UL Report](#)

English