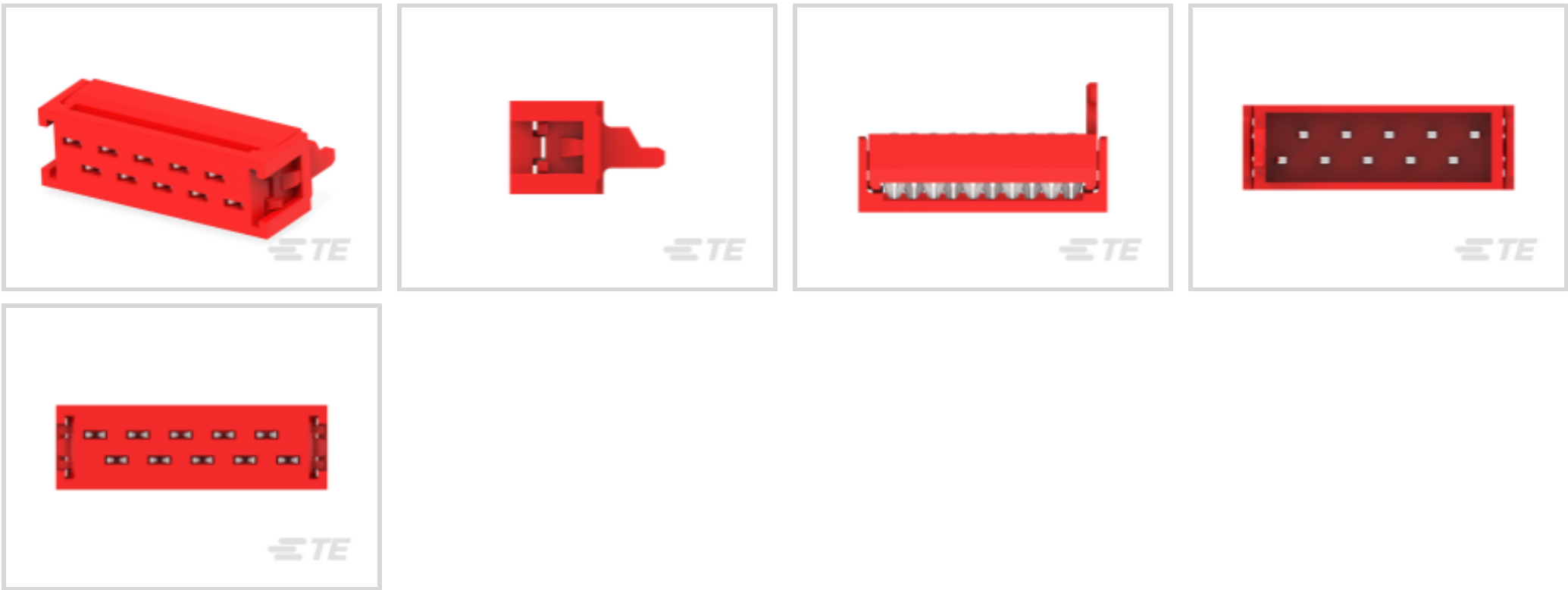




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Wire Connector, Micro-MaTch



Connector System: **Cable-to-Board**  
Number of Positions: **10**  
Centerline (Pitch): **1.27 mm [.05 in]**  
PCB Mount Retention: **Without**  
PCB Mount Orientation: **Vertical**

[All Male-on-Wire Connector, Micro-MaTch \(19\)](#)

Features

Product Type Features

|                                    |                    |
|------------------------------------|--------------------|
| Connector Product Type             | Connector Assembly |
| Ribbon Cable Connector Type        | Male-On-Wire       |
| Ribbon Cable Connector Header Type | Shrouded           |
| Connector System                   | Cable-to-Board     |
| Connector & Housing Type           | Plug               |
| Connector & Contact Terminates To  | Wire & Cable       |

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 10       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 100 VDC |
|-------------------|---------|



|                       |         |
|-----------------------|---------|
| Insulation Resistance | 1000 MΩ |
|-----------------------|---------|

Body Features

|                       |          |
|-----------------------|----------|
| Daisy Chain           | With     |
| 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] |
| Wire Contact Termination Area Plating Material        | Tin                           |
| Wire Contact Termination Area Plating Material Finish | Matte                         |
| Mating Tab Width                                      | .7 mm[.028 in]                |
| Contact Mating Area Plating Material                  | Tin (Sn)                      |
| Contact Base Material                                 | Phosphor Bronze               |
| Mating Tab Thickness                                  | .4 mm[.016 in]                |
| PCB Contact Termination Area Plating Material         | Tin                           |
| Wire Contact Termination Area Plating Thickness       | 3 – 5 μm[118.11 – 196.85 μin] |
| Contact Type                                          | Pin                           |
| Contact Current Rating (Max)                          | 1.5 A                         |

Termination Features

|                                    |                               |
|------------------------------------|-------------------------------|
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
|------------------------------------|-------------------------------|

Mechanical Attachment

|                                       |                            |
|---------------------------------------|----------------------------|
| Contact Retention Type Within Housing | Press-Fit                  |
| Mating Alignment                      | With                       |
| PCB Mount Alignment                   | Without                    |
| PCB Mount Retention                   | Without                    |
| Mating Alignment Type                 | Polarization               |
| Mating Retention                      | With                       |
| Mating Retention Type                 | Contact Friction           |
| Connector Mounting Type               | Cable Mount (Free-Hanging) |

Housing Features

|                  |        |
|------------------|--------|
| Housing Material | PBT GF |
|------------------|--------|



|                    |                 |
|--------------------|-----------------|
| Centerline (Pitch) | 1.27 mm[.05 in] |
|--------------------|-----------------|

Dimensions

|                                      |                           |
|--------------------------------------|---------------------------|
| Compatible Insulation Diameter Range | .8 – 1 mm[.035 – .039 in] |
| Connector Height                     | 6.8 mm[.27 in]            |
| Wire Size                            | 28 AWG                    |
| Connector Length                     | 16.2 mm[.638 in]          |
| Row-to-Row Spacing                   | 2 mm[.059 in]             |

Usage Conditions

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

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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>

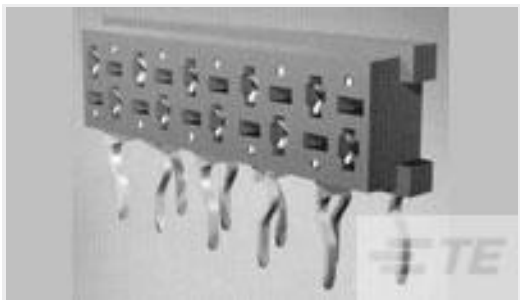
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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: JAN 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                  |



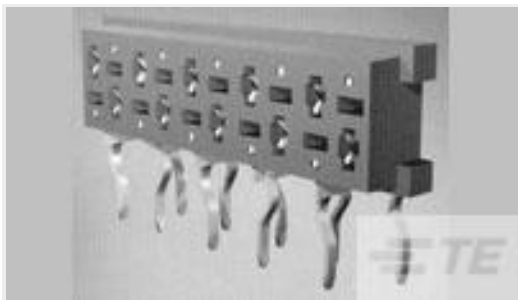
Product Compliance Disclaimer

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 # 8-100400-0  
MICRO-MATCH FSID NP



TE Part # 1-100400-0  
MICRO-MATCH FSID NP



TE Part # 734024-1  
Micro-MaTch ADAPTER, 4-24 POS.



TE Part # 8-188431-0  
M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.



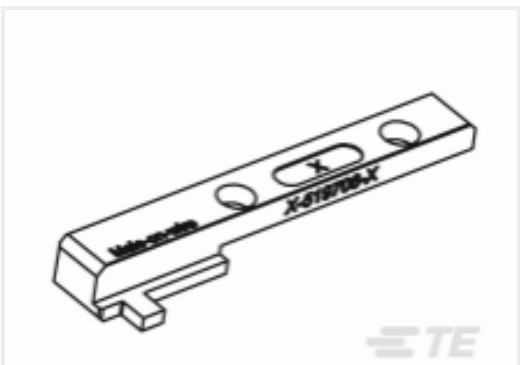
TE Part # 677412-4  
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS



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



TE Part # 1-338070-0  
MICRO-MATCH FEM.SE



TE Part # 519708-1  
TERMINATION PUSHER

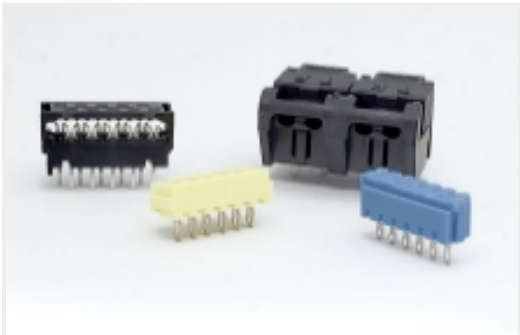


TE Part # 1-215460-0  
MICRO-MATCH FEM.SE



TE Part # 8-215460-0  
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)

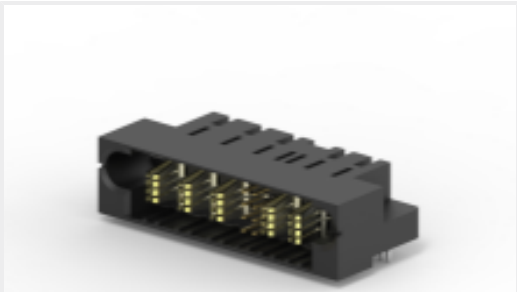
Customers Also Bought



TE Part #1-316131-3  
DYNAMIC D-3200 HDR ASSY 6P H



TE Part #2423798-1  
Flat Bandage SS 12.7 L0.25m



TE Part #5-6450120-9  
MBXL R/A HDR 3ACP+8S+2P



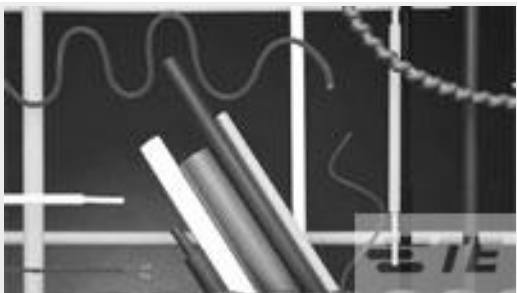
TE Part #1614885-9  
CPF 0805 130K 0.1% 25PPM 1K RL



TE Part #3-6450170-9  
MBXL R/A RCPT 3ACP+8S+2P



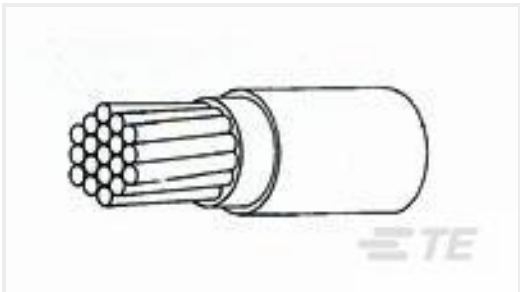
TE Part #8-215570-0  
MICRO-MATCH PBC.10P



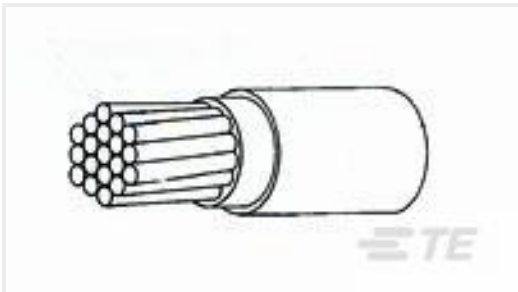
TE Part #5068044005  
CGPT-2.4/1.2-2-SP



TE Part #8-215083-4  
MICRO-MATCH MOW.14P



TE Part #C540273001  
44A0111-24-4CK0300



TE Part #C847273001  
44A0111-24-7CK0300

Documents



Product Drawings

MICRO-MATCH MOW.10P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-215083-0\_U.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215083-0\_U.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215083-0\_U.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

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Centerline Micro-Match Connector Series

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Product Specifications

Application Specification

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micro match miniature connector system

English

Agency Approvals

UL Report

English