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Male-on-Board Connector, Micro-MaTch



Connector System: **Board-to-Board**

Number of Positions: **6**

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

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 6        |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

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

Body Features

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



Contact Features

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

Termination Features

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Rectangular Termination Post & Tail Thickness | .5 mm[.02 in]         |
| Rectangular Termination Post & Tail Width     | .4 mm[.015 in]        |
| Termination Post & Tail Length                | 3.1 mm[.122 in]       |
| Termination Method to PCB                     | Through Hole - Solder |

Mechanical Attachment

|                                       |                     |
|---------------------------------------|---------------------|
| Mating Alignment                      | With                |
| Contact Retention Type Within Housing | Press-Fit           |
| 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] |

Dimensions

|  |  |
|--|--|
|  |  |
|--|--|



|                             |                 |
|-----------------------------|-----------------|
| Connector Length            | 6.35 mm[.25 in] |
| Connector Height            | 6.9 mm[.27 in]  |
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |
| Row-to-Row Spacing          | 2 mm[.059 in]   |

Usage Conditions

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

Operation/Application

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

Industry Standards

|                                             |            |
|---------------------------------------------|------------|
| UL Rating                                   | Recognized |
| Compatible With Agency/Standards Products   | UL         |
| Compatible With Approved Standards Products | 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 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                                                                                                    |

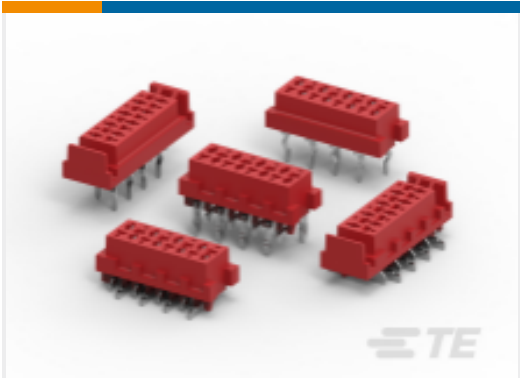
Product Compliance Disclaimer

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-F3492A  
Female-on-Board Connector, Top Entry



TE Part # 7-215460-6  
MICRO-MATCH FSID P



TE Part # 338070-6  
MICRO-MATCH FEM.SE



TE Part # 7-188431-6  
MM 6p FIB SMD connector



TE Part # 215460-6  
MICRO-MATCH FEM.SE



TE Part # 100400-6  
MICRO-MATCH FSID NP



TE Part # 7-100400-6  
MICRO-MATCH FSID NP

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(21)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)



Customers Also Bought



TE Part #215464-4  
Male-on-Board Connector, Micro-MaTch



TE Part #215079-6  
MICRO-MATCH FOB.06P



TE Part #6-2176089-6  
RP 1J 0.166W 54K9 0.1% 25PPM 1K RL



TE Part #4-2176327-3  
CRGP 0805 33K 1%



TE Part #2-2176328-3  
CRGP 1206 680R 1%



TE Part #1SNK705021R0000  
ZK2.5-3P-BL

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_215464-6\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_215464-6\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_215464-6\_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