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Female-on-Board Connector, Top Entry



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

Number of Positions: **12**

Centerline (Pitch): **1.27 mm [.05 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All Female-on-Board Connector, Top Entry \(67\)](#)

Features

Product Type Features

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

Configuration Features

|                       |          |
|-----------------------|----------|
| Number of Positions   | 12       |
| PCB Mount Orientation | Vertical |
| Number of Rows        | 2        |

Electrical Characteristics

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

Body Features

|                       |         |
|-----------------------|---------|
| Daisy Chain           | Without |
| 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] |
| Contact Shape & Form                                    | Dual Beam                     |
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 µm[118.11 – 196.85 µin] |
| Contact Mating Area Plating Material                    | Tin (Sn)                      |
| Contact Base Material                                   | Phosphor Bronze               |
| PCB Contact Termination Area Plating Material           | Tin                           |
| Contact Type                                            | Socket                        |
| Contact Current Rating (Max)                            | 1.5 A                         |

Termination Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Rectangular Termination Post & Tail Width     | .75 mm[.029 in] |
| Rectangular Termination Post & Tail Thickness | .25 mm[.01 in]  |
| Termination Post & Tail Length                | 5.3 mm[.208 in] |
| Termination Method to PCB                     | Surface Mount   |

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               | Board Mount      |

Housing Features

|                       |                 |
|-----------------------|-----------------|
| Mating Entry Location | Top             |
| Housing Material      | PA 4.6          |
| Centerline (Pitch)    | 1.27 mm[.05 in] |

Dimensions

|                             |                 |
|-----------------------------|-----------------|
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |
|-----------------------------|-----------------|



|                    |                  |
|--------------------|------------------|
| Connector Height   | 6.9 mm[.27 in]   |
| Connector Length   | 19.8 mm[.779 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

|                                             |            |
|---------------------------------------------|------------|
| 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 | 900  |
| 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: 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                     | Reflow solder capable to 260°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 # 1-338095-2  
MICRO-MATCH COSIHSG

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 #1-2320179-1  
8POS,TAB0.63X0.63,HDR ASSY, 180DEG,SLDR

TE Part #2380600-2  
1P MATE-AX HDR,ASSY , 180deg, COD B

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

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



TE Part #2-966658-2  
32pos MQS .63 header 180deg



TE Part #2306073-2  
18POS, TAB0.63X0.63, HDR ASSY, 90 DEG, SLDR



TE Part #2306247-1  
32POS, TAB0.63X0.63, HDR ASSY, 180DEG, SLDR

Documents

Product Drawings

MICRO-MATCH SMD FTE

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-338069-2\_K.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-338069-2\_K.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-338069-2\_K.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

Centerline Micro-Match Connector Series

English

Product Specifications

Application Specification

English