

2-338069-0 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 2-338069-0

Ribbon Cable Connectors, Board-to-Board, 20 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial

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FEMALE-ON-BOARD CONNECTOR TOP ENTRY



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

Number of Positions: **20**

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

Configuration Features

| | |
|-----------------------|----------|
| Number of Positions | 20 |
| PCB Mount Orientation | Vertical |
| Number of Rows | 2 |

Electrical Characteristics

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

Body Features

| | |
|-------------|---------|
| Daisy Chain | Without |
|-------------|---------|



Connector Profile Standard

Contact Features

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 3 – 5 μm [118.11 – 196.85 μin] |
| Contact Type | Socket |
| 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 Shape & Form | Dual Beam |
| 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

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

Mechanical Attachment

| | |
|---------------------------------------|------------------|
| Mating Alignment | With |
| Contact Retention Type Within Housing | Press-Fit |
| 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 |
| Housing Color | Red |
| Centerline (Pitch) | 1.27 mm[.05 in] |

Dimensions



| | |
|-----------------------------|-----------------|
| Connector Length | 30 mm[1.181 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 |
| Agency/Standard | UL |
| UL File Number | E28476 |
| UL Flammability Rating | UL 94V-0 |

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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

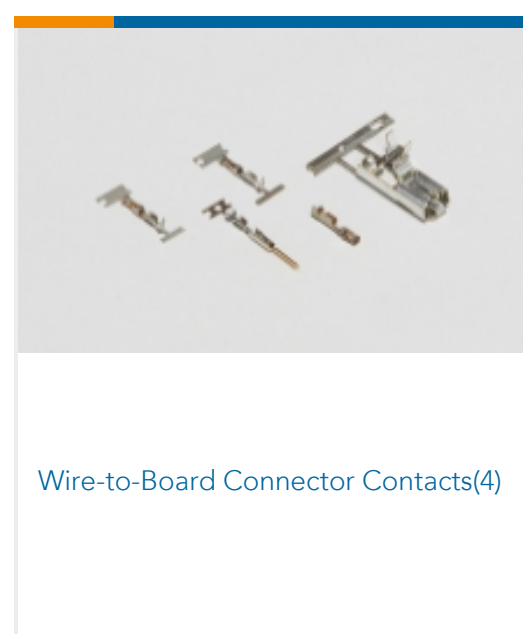
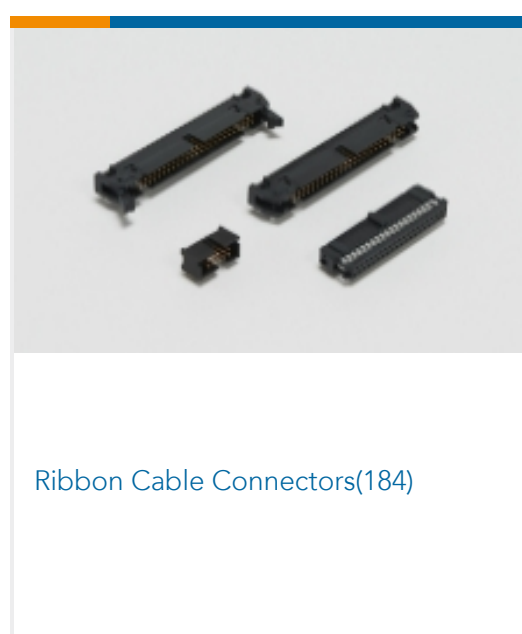
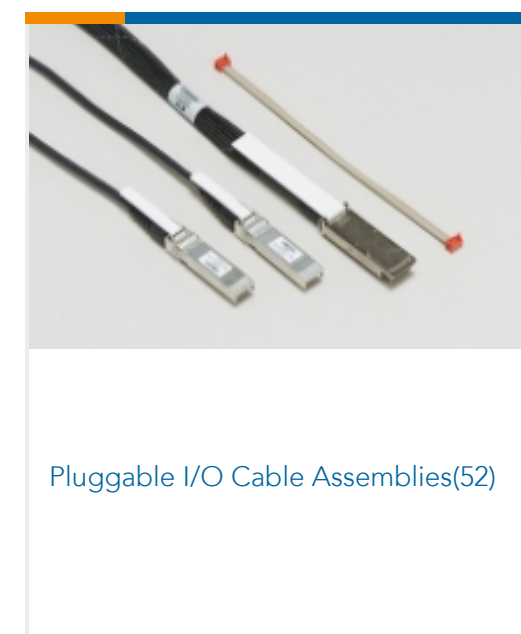
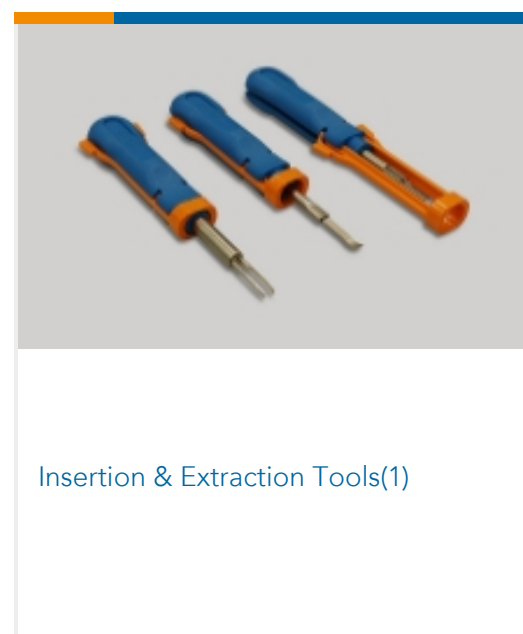
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Also in the Series | Micro-MaTch Industrial



Documents

Product Drawings
MICRO-MATCH SMD FTE

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_2-338069-0_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-338069-0_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-338069-0_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

Product Environmental Compliance

[MD_2-338069-0_08092012111](#)

English

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