

1-338070-2 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-338070-2

Ribbon Cable Connectors, Cable-to-Board, 12 Position, 2.54 mm [.1 in] Centerline, Right Angle, Through Hole - Solder, 2 Row, Micro-MaTch Industrial

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



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

Number of Positions: **12**

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
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

### Configuration Features

Number of Positions	12
PCB Mount Orientation	Right Angle
Number of Rows	2

### Electrical Characteristics

Insulation Resistance	1000 M $\Omega$
Operating Voltage	100 VAC

### Body Features

Connector Profile	Standard
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### Contact Features

Contact Layout	Staggered
PCB Contact Termination Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]



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
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### 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	With
Mating Retention Type	Latches
Connector Mounting Type	Board Mount

### Housing Features

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

### Dimensions

Row-to-Row Spacing	1.5 mm[.059 in]
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### Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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### Operation/Application

Circuit Application	Signal
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### Industry Standards



UL Rating	Recognized
UL File Number	E28476
Agency/Standard	UL
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 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	Wave solder capable to 265°C

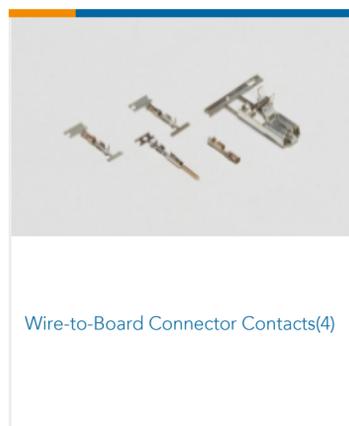
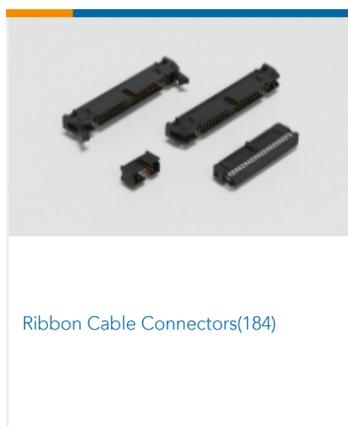
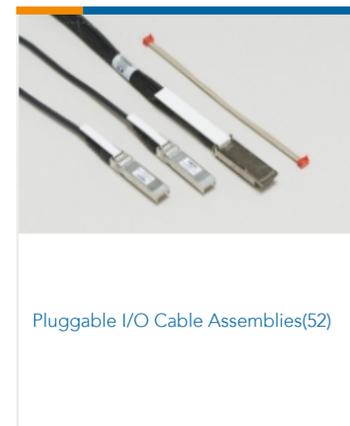
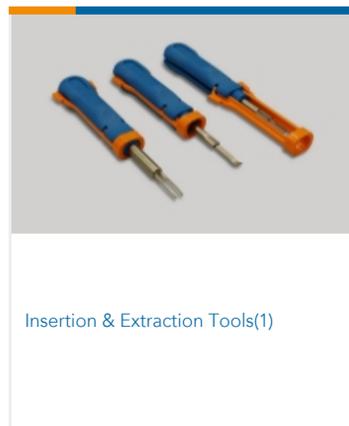
#### Product Compliance Disclaimer

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



## Also in the Series | Micro-MaTch Industrial



## Documents

### Product Drawings

[MICRO-MATCH FEM.SE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338070-2\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338070-2\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338070-2\\_E.3d\\_stp.zip](#)

English



By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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## Datasheets & Catalog Pages

### Micro-MaTch Catalog

English

### Centerline Micro-Match Connector Series

English

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## Product Specifications

### Product Specification

English