

#### Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-188275-0 Ribbon Cable Connectors, Board-to-Board, 10 Position, 1.27 mm [. 05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial

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

Female-on-Board Connector, Top Entry



Connector System: Board-to-Board Number of Positions: 10

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**

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	10
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

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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 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	
Housing Features Mating Entry Location	Тор
	Тор РА 4.6
Mating Entry Location	
Mating Entry Location Housing Material	PA 4.6
Mating Entry Location Housing Material Centerline (Pitch)	PA 4.6
Mating Entry Location Housing Material Centerline (Pitch) Dimensions	PA 4.6 1.27 mm[.05 in]

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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
Assembly Process Feature	Vacuum Tape
Circuit Application	Signal
Industry Standards	
UL Rating	Recognized
Agency/Standard	UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	900
Packaging Method	Reel

#### Other

Wire-to-Board Connector Comment

For Use With Male-In-Wire/Male-On-Board

## 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

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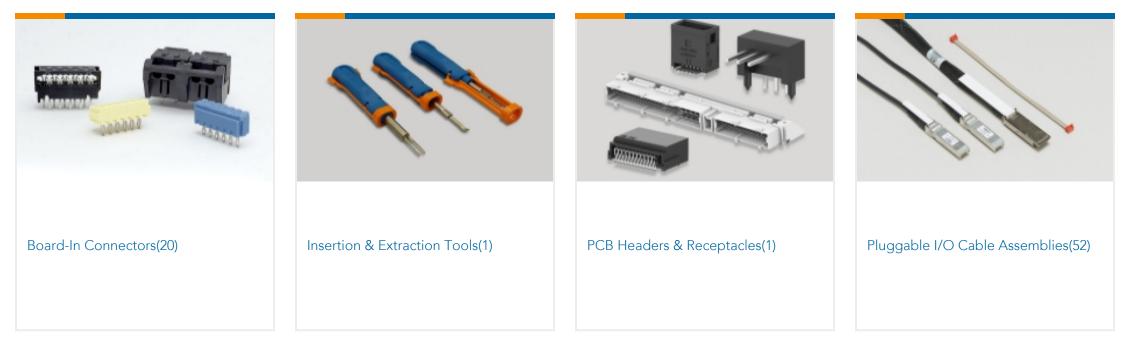
chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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-onreach

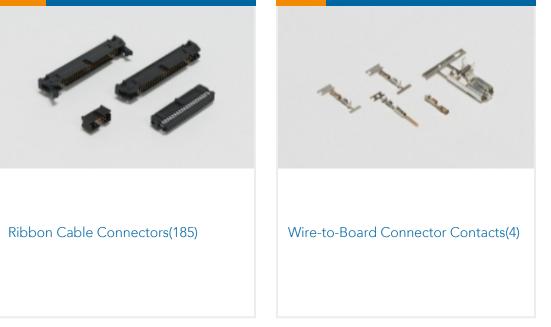
# **Compatible Parts**





# Also in the Series | Micro-MaTch Industrial

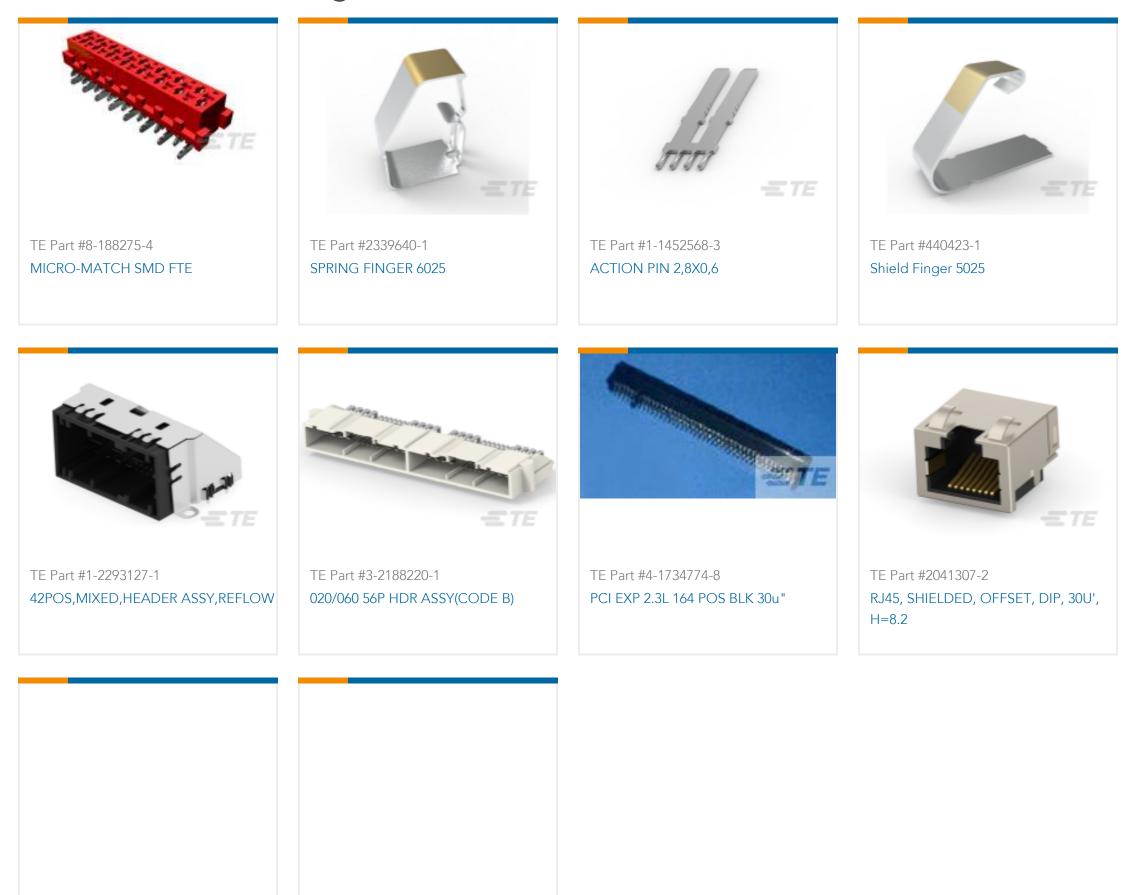




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# Customers Also Bought



ROLLER, TRACK, YOKE, AXIAL GUIDANCE, GAP SLS CAM FOLLOWER, STUD TYPE, MINIATURE, SHIELD

TE Part #2168142-1

### Documents

TE Part #2030662-3

Product Drawings MICRO-MATCH SMD FTE

English

#### **CAD** Files

Customer View Model ENG\_CVM\_CVM\_8-188275-0\_U.2d\_dxf.zip

English

#### 3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-188275-0\_U.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-188275-0\_U.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

Ribbon Cable Interconnect Solutions

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**Centerline Micro-Match Connector Series** 

English

**Product Specifications** 

**Application Specification** 

English

Product Environmental Compliance Material declaration 8-188275-0 English Product Compliance Document English Product Compliance Document

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