

7-188431-6 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-188431-6

Cable-to-Board, 6 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial, Ribbon  
Cable Connectors

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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: **6**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

## Features

### Product Type Features

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

### Configuration Features

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

### Housing Features

Centerline (Pitch)	2.54 mm [.1 in]
Mating Entry Location	Bottom
Housing Material	PA 4.6 GF

### Mechanical Attachment

PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount



Mating Alignment	With
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PCB Mount Alignment	Without
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### Termination Features

Termination Method to PCB	Surface Mount
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### Dimensions

Row-to-Row Spacing	1.5 mm[.059 in]
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### Body Features

Connector Profile	Standard
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Primary Product Color	Red
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### Contact Features

Contact Current Rating (Max)	1.5 A
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Contact Underplating Material	Nickel
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PCB Contact Termination Area Plating Material Finish	Matte
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Contact Mating Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
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PCB Contact Termination Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
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Contact Layout	Staggered
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Contact Mating Area Plating Material	Tin
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Contact Base Material	Phosphor Bronze
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PCB Contact Termination Area Plating Material	Tin
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Contact Type	Receptacle
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Contact Mating Area Plating Material Finish	Matte
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### Operation/Application

Circuit Application	Signal
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### Usage Conditions

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

EU RoHS Compliance	Compliant
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EU ELV Compliance	Compliant
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### Electrical Characteristics

Operating Voltage	100 VDC
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Insulation Resistance	1000 M $\Omega$
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### 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	1200
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) Candidate List Declared Against: JUNE 2024 (241) 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

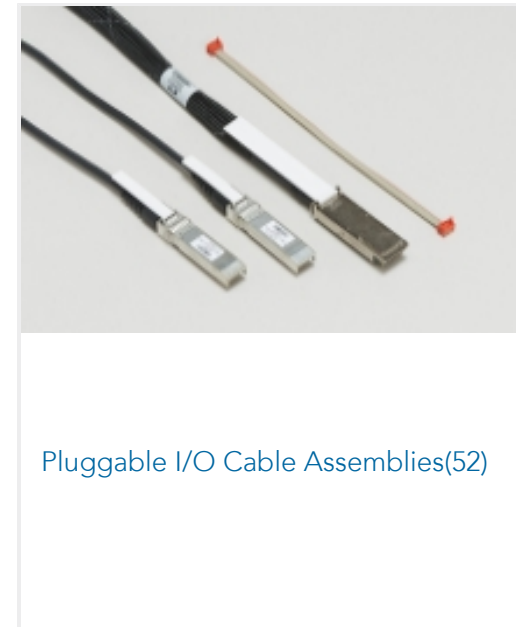
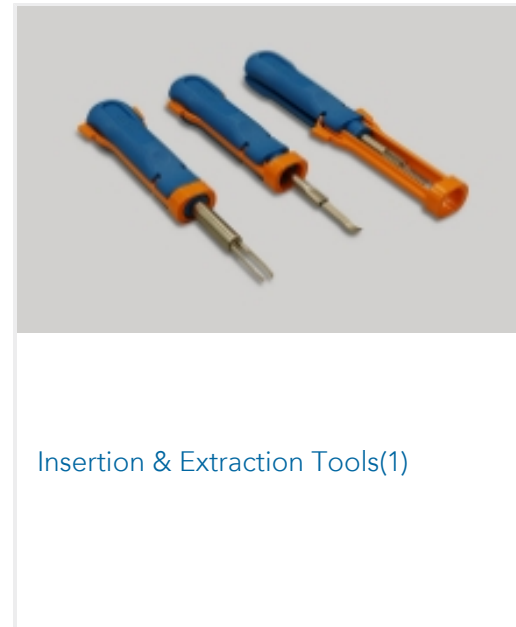
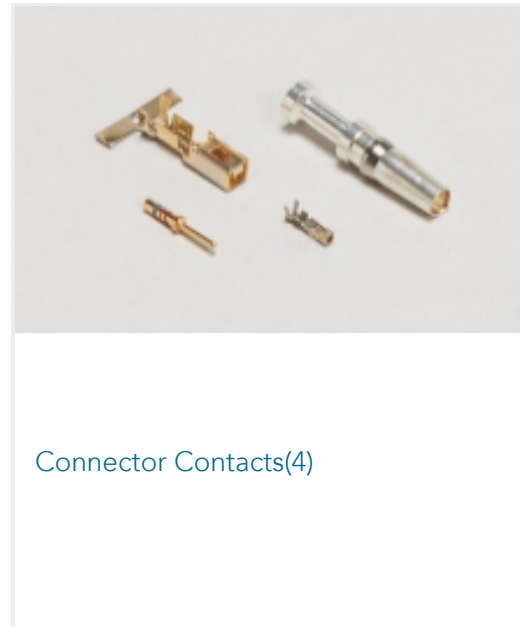
#### Product Compliance Disclaimer

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

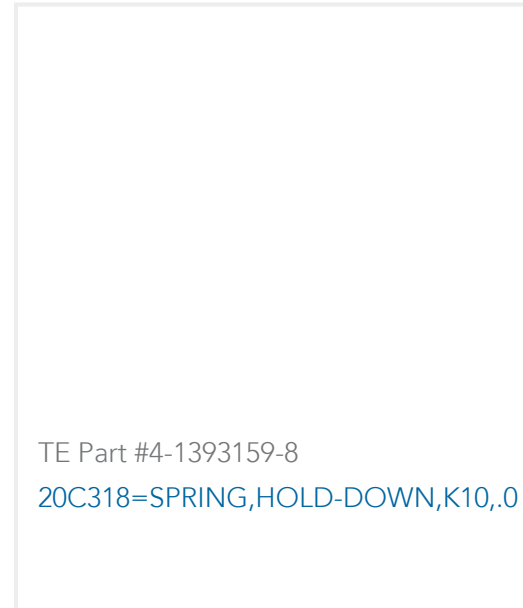


## Also in the Series | Micro-MaTch Industrial



## Customers Also Bought





## Documents

### Product Drawings

[MM 6p FIB SMD connector](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_7-188431-6\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-188431-6\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_7-188431-6\\_E.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