

1-338069-8  ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 1-338069-8

Ribbon Cable Connectors, Board-to-Board, 18 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial

[View on TE.com >](#)



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: **18**

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	18
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

## Connector Profile

Standard

## Contact Features

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

Contact Type Socket

Contact Mating Area Plating Material Thickness 3 - 5  $\mu\text{m}$ [118.11 - 196.85  $\mu\text{in}$ ]

Contact Mating Area Plating Material Tin

PCB Contact Termination Area Plating Material Finish Matte

Contact Shape &amp; 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 &amp; Tail Thickness .25 mm[.01 in]

Rectangular Termination Post &amp; Tail Width .75 mm[.029 in]

Termination Post &amp; 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

Centerline (Pitch) 1.27 mm[.05 in]

## Dimensions

Connector Length 27.4 mm[1.07 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
Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	UL 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](http://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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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-M2934  
Male-on-Wire Connector, Micro-MaTch



TE Part # CAT-M5833-M2934  
Male-on-Board Connector, Micro-MaTch



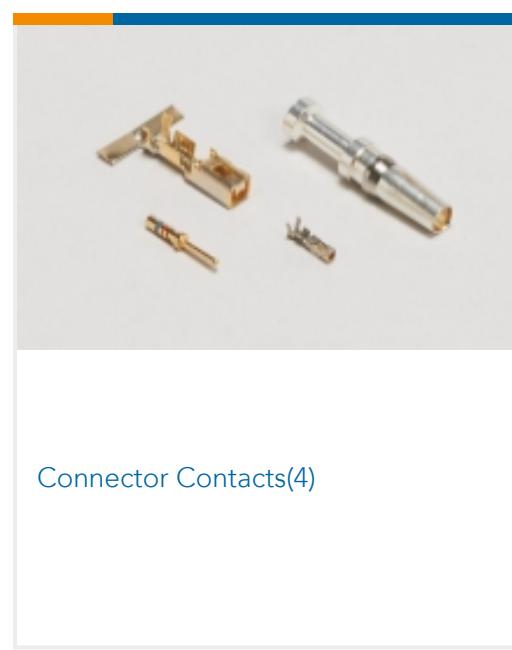
TE Part # 1-338095-8  
18P. MICRO-MATCH COSI HSG

## Also in the Series

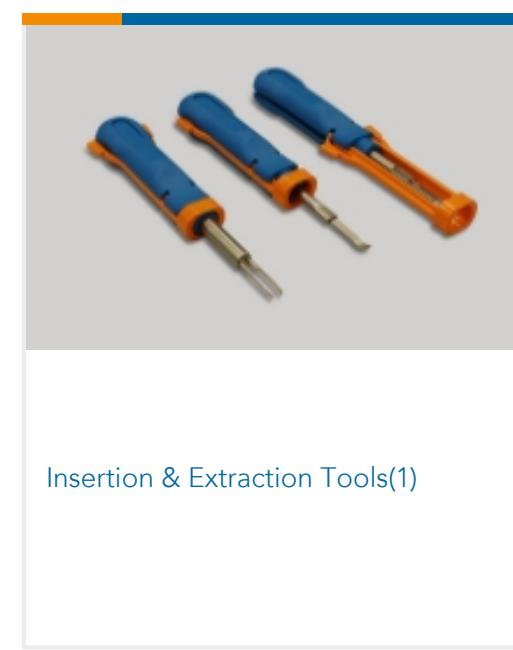
### Micro-MaTch Industrial



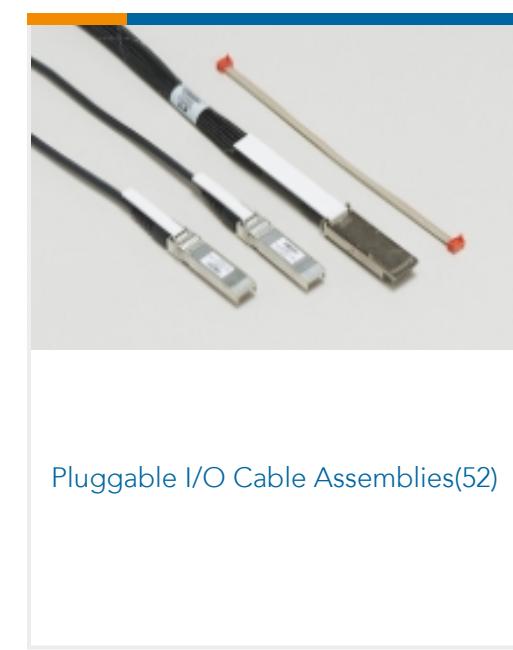
Board-In Connectors(21)



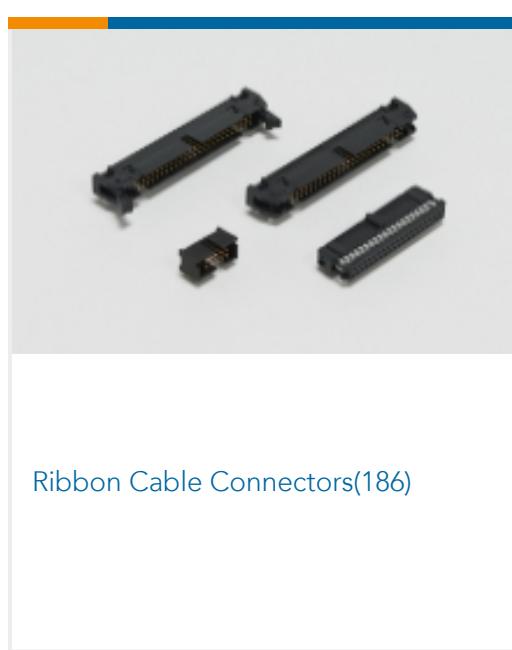
Connector Contacts(4)



Insertion & Extraction Tools(1)

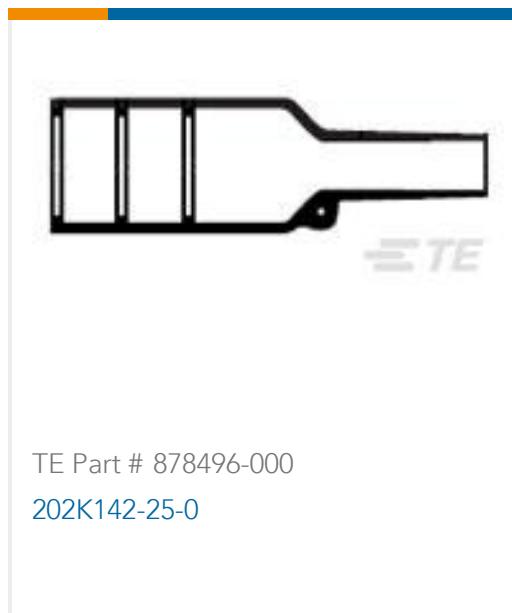


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

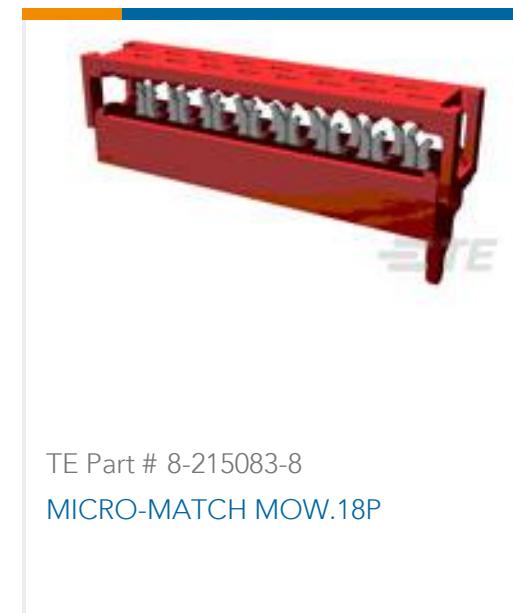
## Customers Also Bought



TE Part # 878496-000  
202K142-25-0



TE Part # 1-338069-0  
Female-on-Board Connector, Top Entry



TE Part # 8-215083-8  
MICRO-MATCH MOW.18P



TE Part # 1623450-1  
CRG1206 1% 1M0



## Documents

### Product Drawings

#### MICRO-MATCH SMD FTE

English

---

### CAD Files

#### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338069-8\\_K.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338069-8\\_K.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-338069-8\\_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