

7-215083-4 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 7-215083-4

TE Internal Description: MICRO-MATCH MOW.04P

MALE-ON-WIRE CONNECTOR

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

MALE-ON-WIRE CONNECTOR



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

Number of Positions: **4**

Centerline (Pitch): **1.27 mm [ .05 in ]**

Termination Method to Wire & Cable: **Insulation Displacement Crimp (IDC)**

Row-to-Row Spacing: **1.5 mm**

[All MALE-ON-WIRE CONNECTOR \(20\)](#)

## Features

### Product Type Features

Connector Type	Connector Assembly
Ribbon Cable Connector Type	Male-On-Wire
Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Compatible With Wire & Cable Type	Ribbon Cable
Number of Positions	4

### Electrical Characteristics

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

### Body Features

Daisy Chain	Without
Connector Profile	Standard

### Contact Features

Wire Contact Termination Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
Contact Mating Area Plating Material	Tin
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 Wire & Cable	Insulation Displacement Crimp (IDC)
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### Mechanical Attachment

Contact Retention Type Within Housing	Press-Fit
Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	Polyester - GF
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

### Dimensions

Connector Length	8.6 mm[.338 in]
Connector Height	6.8 mm[.27 in]
Accepts Wire Insulation Diameter Range	.8 – 1 mm[.035 – .039 in]
Wire Size	.08 – .09 $\text{mm}^2$
Row-to-Row Spacing	1.5 mm

### Usage Conditions

Operating Temperature Range	-40 – 105 °C
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### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	250
Packaging Method	Box & Carton

### 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: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2019 (201) Candidate List Declared Against: JUL 2019 (201)
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

#### Product Compliance Disclaimer

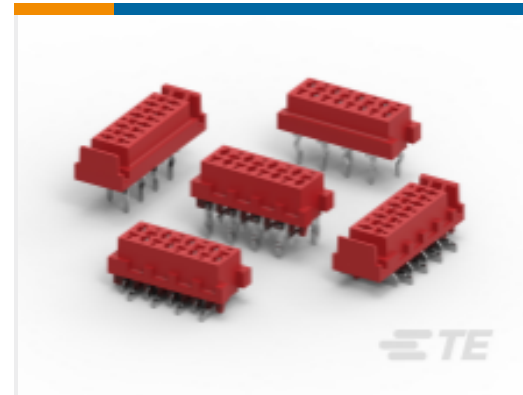
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling

based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Model / Part # CAT-M5833-F3492  
FEMALE-ON-BOARD CONNECTOR  
SIDE ENTRY



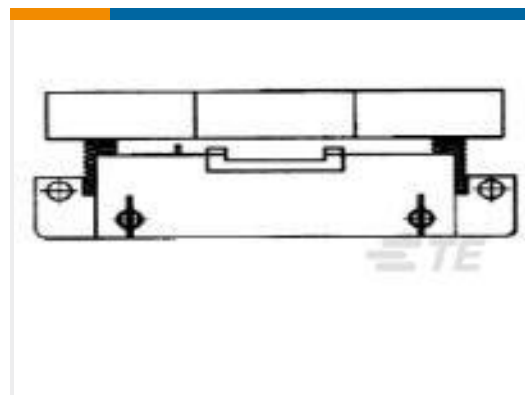
TE Model / Part # CAT-M5833-F3492A  
FEMALE-ON-BOARD CONNECTOR  
TOP ENTRY



TE Model / Part # CAT-M5833-F3491  
FEMALE-IN-BOARD CONNECTOR



TE Model / Part # 734155-1  
TOOLING KIT ASSY.



TE Model / Part # 734024-1  
ADAPTER(MICROMATCH)

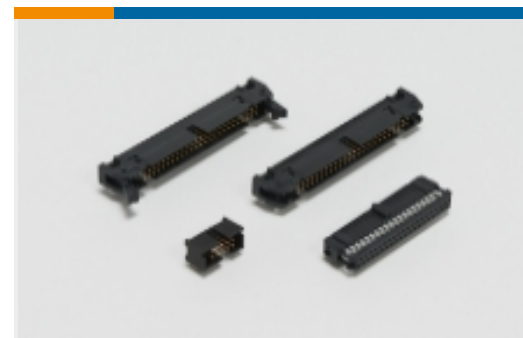


TE Model / Part # 167019-4  
04P. RIBBCBL 28AWG P1.27

## Also in the Series | Micro-MaTch Industrial



Pluggable I/O Cable Assemblies(54)



Ribbon Cable Connectors(203)



Wire-to-Board Connector Contacts(4)

## Customers Also Bought



TE Model / Part #1483350-3  
MICRO-MATCH LEAD 04P 250MM



TE Model / Part #5-826629-0  
50P AMPMODU II PIN HDR.



TE Model / Part #182734-2  
CONTACT REC HE14 COSI LOOSE P



TE Model / Part #826629-2  
2P AMPMODU II



## Documents

### Product Drawings

#### MICRO-MATCH MOW.04P

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215083-4\\_U.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215083-4\\_U.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_7-215083-4\\_U.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

#### Ribbon Cable Interconnect Solutions

English

#### Centerline Micro-Match Connector Series

English

### Product Specifications

#### Application Specification

English

#### micro match miniature connector system

English

### Product Environmental Compliance

#### MD\_7-215083-4\_0316201851\_dmtec

English

#### MD\_7-215083-4\_0316201851\_dmtec



English

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[Agency Approvals](#)

[UL Report](#)

English