

215083-4 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 215083-4

Cable-to-Board, 4 Position, 1.27 mm [.05 in] Centerline, Vertical, 2 Row, Plug, Standard Profile, Micro-MaTch Industrial, Ribbon Cable Connectors

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[Connectors >](#) [PCB Connectors >](#) [Wire-to-Board Connectors >](#) [FFC, FPC & Ribbon Connectors >](#) [Ribbon Cable Connectors >](#)

[Male-on-Wire Connector, Micro-MaTch](#)



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

Number of Positions: **4**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All Male-on-Wire Connector, Micro-MaTch \(19\)](#)

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	4
PCB Mount Orientation	Vertical
Number of Rows	2

### Electrical Characteristics

Operating Voltage	100 VDC
Insulation Resistance	1000 MΩ

### Body Features

Daisy Chain	With
Primary Product Color	Red



Connector Profile	Standard
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### Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.7 mm[.028 in]
Contact Shape & Form	Dual Beam
Contact Mating Area Plating Material	Tin (Sn)
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.4 mm[.016 in]
PCB Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	3 – 5 $\mu\text{m}$ [118.11 – 196.85 $\mu\text{in}$ ]
Contact Type	Pin
Contact Current Rating (Max)	1.5 A

### Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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### Mechanical Attachment

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

### Housing Features

Housing Material	PBT GF
Centerline (Pitch)	1.27 mm[.05 in]

### Dimensions

Compatible Insulation Diameter Range	.8 – 1 mm[.035 – .039 in]
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Connector Height	6.8 mm[.27 in]
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Wire Size	28 AWG
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Connector Length	8.6 mm[.338 in]
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Row-to-Row Spacing	2 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

Compatible With Agency/Standards Products	UL
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UL Rating	Recognized
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UL Flammability Rating	UL 94V-0
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Compatible With Approved Standards Products	UL E28476
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### Packaging Features

Packaging Quantity	2500
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Packaging Method	Reel
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### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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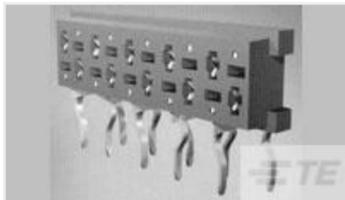
#### Product Compliance Disclaimer

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



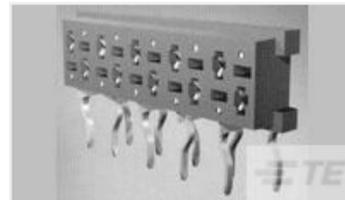
TE Part # 7-100400-4  
NOT POLARIZED, BOX A 250ST



TE Part # CAT-M5833-F3492A  
Female-on-Board Connector, Top Entry



TE Part # 677412-4  
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS



TE Part # 100400-4  
MICRO-MATCH FSID NP



TE Part # 519708-1  
TERMINATION PUSHER



TE Part # 7-215460-4  
MICRO-MATCH FSID P



TE Part # 7-188431-4  
MM 4P FIB SMD CONNECTOR



TE Part # 215460-4  
MICRO-MATCH FEM.SE



TE Part # 338070-4  
MICRO-MATCH FEM.SE



TE Part # 734024-1  
Micro-MaTch ADAPTER, 4-24 POS.

## Also in the Series | Micro-MaTch Industrial



Board-In Connectors(19)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(45)



Ribbon Cable Connectors(160)

## Customers Also Bought

TE Part #T4151310003-003  
RPC-M12-FS-3CON-PVC-1.5TE Part #215079-4  
MICRO-MATCH FOB.04PTE Part #CAT-M5833-M2934A  
Male-on-Wire Connector, Micro-MaTchTE Part #215570-6  
MICRO-MATCH PBC.06PTE Part #3-641522-4  
04P MTA156 POST CON ASSY ORNGTE Part #770372-1  
06P .093 COMM P&S RECPT .250CLTE Part #925370-5  
MOD IV REC HSG 2X5P.TE Part #1-2201864-2  
MINI I/O REC KIT TYPE II M

## Documents

### Product Drawings

[MICRO-MATCH MOW.04P](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_215083-4\\_U.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_215083-4\\_U.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_215083-4\\_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](#)

English

[Centerline Micro-Match Connector Series](#)

English

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## Product Specifications

[Application Specification](#)

English

[micro match miniature connector system](#)

English

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## Agency Approvals

[UL Report](#)

English