## 8-338728-4 ACTIVE

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### Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-338728-4

Ribbon Cable Connectors, Board-to-Board, 14 Position, 1.27 mm [.

05 in] Centerline, Vertical, Surface Mount, 2 Row, Plug, Micro-

MaTch Industrial

View on TE.com >



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Board Connector, Micro-MaTch



Connector System: Board-to-Board

Number of Positions: 14

Centerline (Pitch): 1.27 mm [ .05 in ]
PCB Mount Retention: Without
PCB Mount Orientation: Vertical

All Male-on-Board Connector, Micro-MaTch (36)

#### **Features**

## **Product Type Features**

Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	14
PCB Mount Orientation	Vertical
Number of Rows	2
Electrical Characteristics	
Insulation Resistance	1000 ΜΩ
Operating Voltage	100 VAC

Without

Standard

Red

**Body Features** 

Daisy Chain

Primary Product Color

Connector Profile



## **Contact Features**

PCB Contact Termination Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
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 Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1 A

## **Termination Features**

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Square Termination Post & Tail Dimension	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 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	Тор
Housing Material	PA 4.6
Centerline (Pitch)	1.27 mm[.05 in]

## Dimensions

	24[02/:.]
Connector Length	21 mm[.826 in]



Connector Height	4.6 mm[.18 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
Assembly Process Feature	Vacuum Tape
Circuit Application	Signal
Circuit Application  Industry Standards	Signal
	Signal  Recognized
Industry Standards	
Industry Standards  UL Rating	Recognized
Industry Standards  UL Rating  Agency/Standard	Recognized UL
Industry Standards  UL Rating  Agency/Standard  Approved Standards	Recognized UL UL E28476

## **Product Compliance**

Packaging Method

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

Reel

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-F3492A
Female-on-Board Connector, Top
Entry



TE Part # 8-215460-4 MICR-MATCH FSID P



TE Part # 1-338070-4
MICRO-MATCH FEM.SE



TE Part # 8-188431-4 M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.



TE Part # 1-215460-4 MICRO-MATCH FEM.SE



TE Part # 1-100400-4
MICRO-MATCH FSID NP



TE Part # 8-100400-4 MICRO-MATCH FSID NP

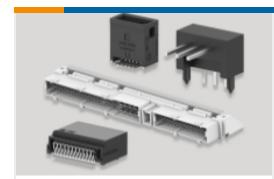
# Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Insertion & Extraction Tools(1)



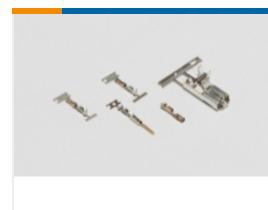
PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(185)



Wire-to-Board Connector Contacts(4)



# Customers Also Bought

















## **Documents**

**Product Drawings** 

MICROM. MOB SMD CON

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_8-338728-4\_H.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_8-338728-4\_H.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_8-338728-4\_H.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** 

Ribbon Cable Connectors, Board-to-Board, 14 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Plug, Micro-MaTch Industrial



English

Product Environmental Compliance

**Product Compliance** 

English

**Product Compliance** 

English