



Micro-MaTch | Micro-MaTch Value Line

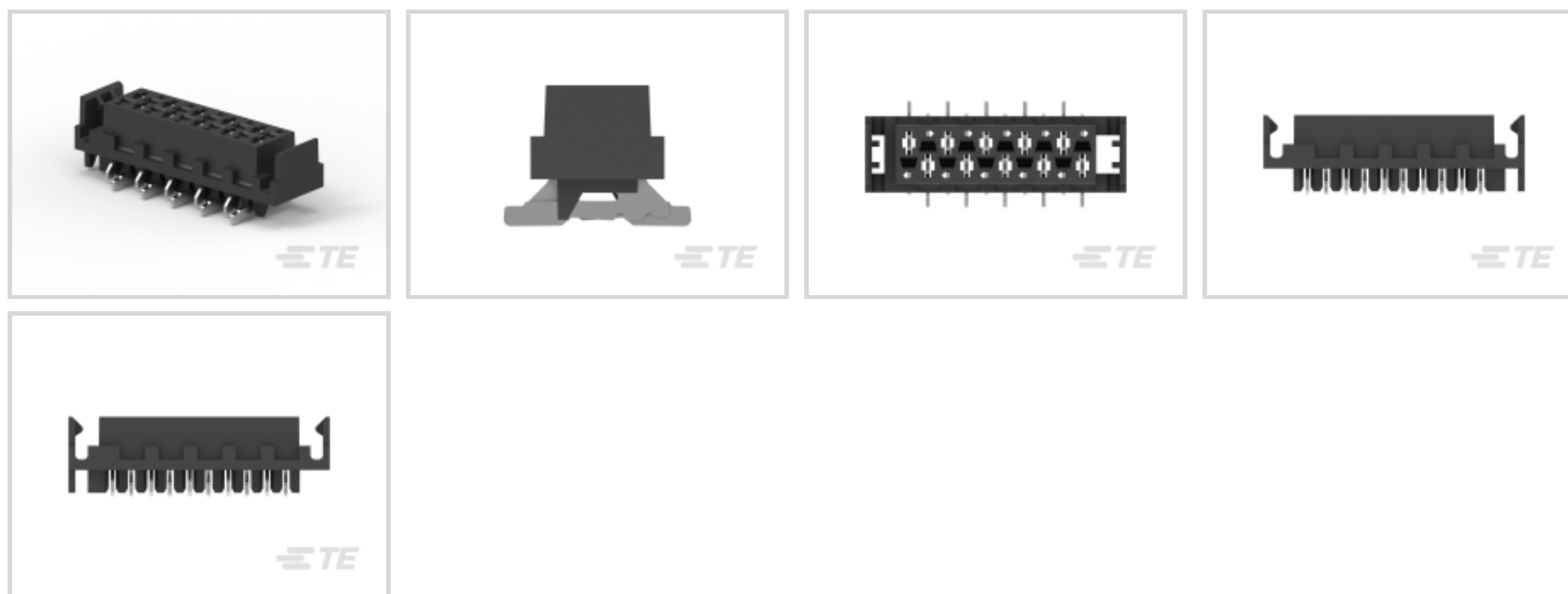
TE Internal #: 1-2823056-0

Micro-MaTch Value Line, Ribbon Cable Connectors, Board-to-Board, 10 Positions, 1.27mm [.05in] Centerline, Vertical, Surface Mount

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

FEMALE-ON-BOARD CON TOP ENTRY VALUE-LINE



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

Number of Positions: **10**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All FEMALE-ON-BOARD CON TOP ENTRY VALUE-LINE \(45\)](#)

## Features

### Product Type Features

Connector Type	Connector Assembly
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	10
PCB Mount Orientation	Vertical
Number of Rows	2

### Electrical Characteristics



Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

### Body Features

Daisy Chain	Without
Connector Profile	Standard

### Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5 μm[118.11 – 196.85 μin]
Contact Type	Socket
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 Shape & Form	Dual Beam
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	1.3 A

### Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Termination Post & 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
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Housing Material	PA 4.6
Housing Color	Black
Centerline (Pitch)	1.27 mm [.05 in]

### Dimensions

Connector Length	17.3 mm [.681 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	-30 – 85 °C [-22 – 185 °F]
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### Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

### Industry Standards

UL Rating	Recognized
UL File Number	E28476
Agency/Standard	UL
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>](#)

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: JUN 2020 (209) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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 Model / Part # CAT-M5833-M2934B  
MALE-ON-WIRE CONNECTOR  
VALUE-LINE



TE Model / Part # CAT-M5833-V2493  
MALE-ON-BOARD CONNECTOR  
TOP-ENTRY

### Also in the Series | Micro-MaTch Value Line



Ribbon Cable Connectors(108)

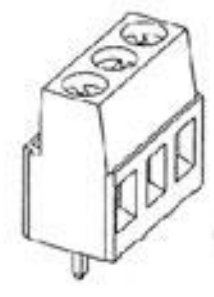
### Customers Also Bought



TE Model / Part #2337822-1  
DISCR.ETH.MAG. 10/100 SINGLE SMT



TE Model / Part #1469265-5  
UPM R/A KEYED GUIDE PIN



TE Model / Part #1-282856-4  
14P TERMI-BLOK PCB MOUNT



TE Model / Part #9-2176398-6  
3502 120R 5%



## Documents

### Product Drawings

10P,FOB,SMD W/ LATCH,MM VALUE LINE

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2823056-0\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2823056-0\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-2823056-0\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

1-1773840-5\_MICRO-MATCH-VALUE-LINE-QRG

English

### Product Specifications

Application Specification

English