



Micro-MaTch | Micro-MaTch Industrial

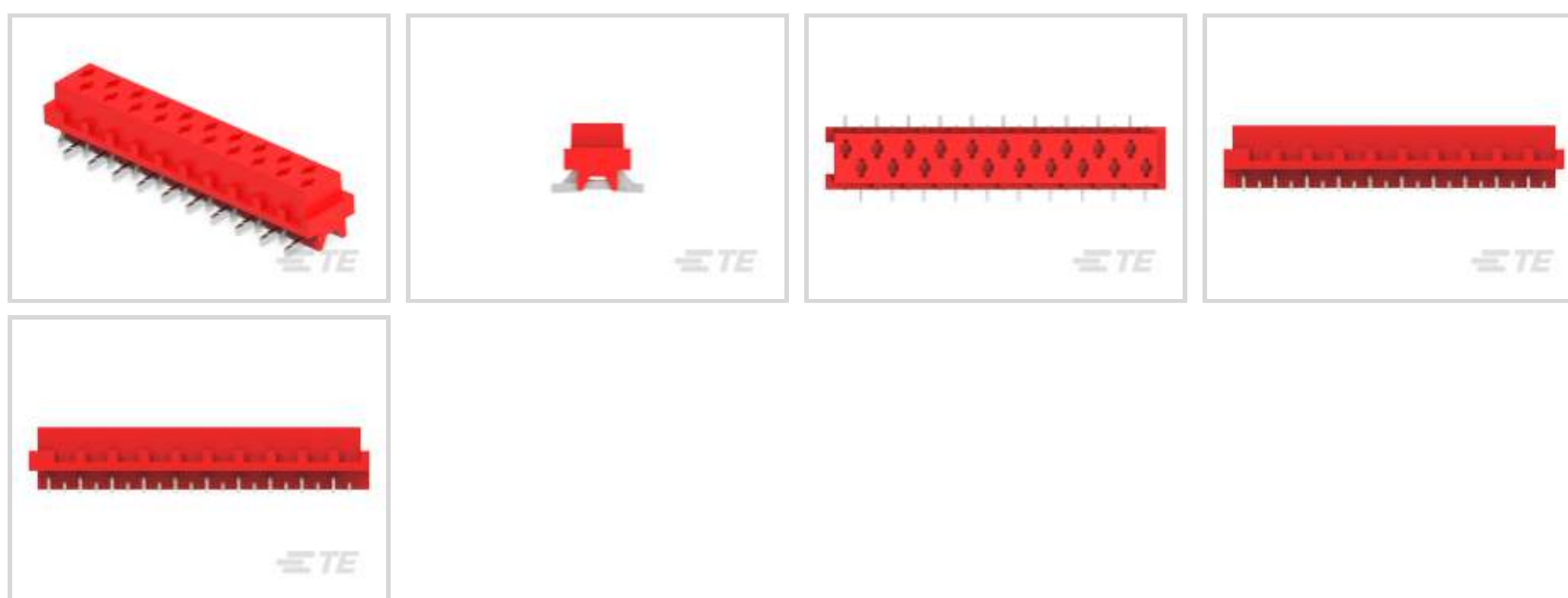
TE Internal #: 9-188275-0

Ribbon Cable Connectors, Board-to-Board, 20 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: **20**

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	20
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 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	Phosphor Bronze
-----------------------	-----------------

Contact Current Rating (Max)	1.5 A
------------------------------	-------

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
---	----------------

Rectangular Termination Post & Tail Width	.75 mm[.029 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[1.078 in]
------------------	-------------------

Connector Height	5.3 mm[.21 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
---------------------	--------

Industry Standards

UL Rating	Recognized
-----------	------------

Agency/Standard	UL
-----------------	----

Approved Standards	UL E28476
--------------------	-----------

UL Flammability Rating	UL 94V-0
------------------------	----------

Packaging Features

Packaging Quantity	900
--------------------	-----

Packaging Method	Reel
------------------	------

Other

Wire-to-Board Connector Comment	For Use With Male-In-Wire/Male-On-Board
---------------------------------	---

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JAN 2023 (233) 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-C1121
MICRO-MATCH STD MOW TO MOW CABLE ASSY



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



TE Part # CAT-M5833-M2934A
Male-on-Wire Connector, Micro-MaTch



TE Part # CAT-M5833-C1121A
MICRO-MATCH STD PB TO MOW CABLE ASSY



TE Part # 2-338095-0
MICRO-MATCH COSI HSG

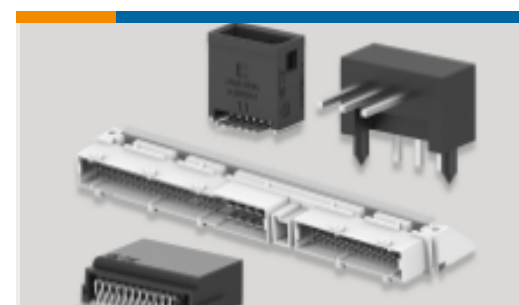
Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(53)

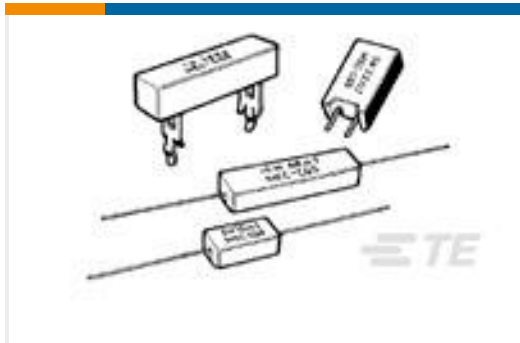


Ribbon Cable Connectors(185)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #3-1623795-3
SQP5 2R2 5% WIRE



TE Part #42117-2
250 FASTON TAB TPBR



TE Part #8-2176397-5
3502 3K3 1%



TE Part #7-2176369-1
RQ 0603 215R 0.1% 10PPM 5K RL



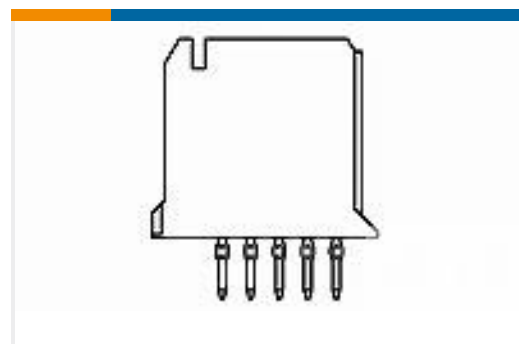
TE Part #1-215464-2
12P.MICRO-MATCH MOB



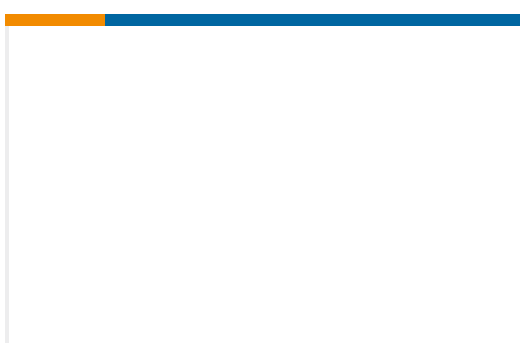
TE Part #1740313-1
AMPSEAL PIN HEADER 23POS



TE Part #2295036-1
SFP+ 1x1 Cage Assy, PF,with Heatsink



TE Part #5223652-1
2MM FB,5RV,REC,ASY,030,PF,4.25



TE Part #293265-1
peripheral seal

Documents

Product Drawings

[MICRO-MATCH SMD FTE](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_9-188275-0_U.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_9-188275-0_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-188275-0_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

Product Environmental Compliance

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English