



Micro-MaTch | Micro-MaTch Industrial

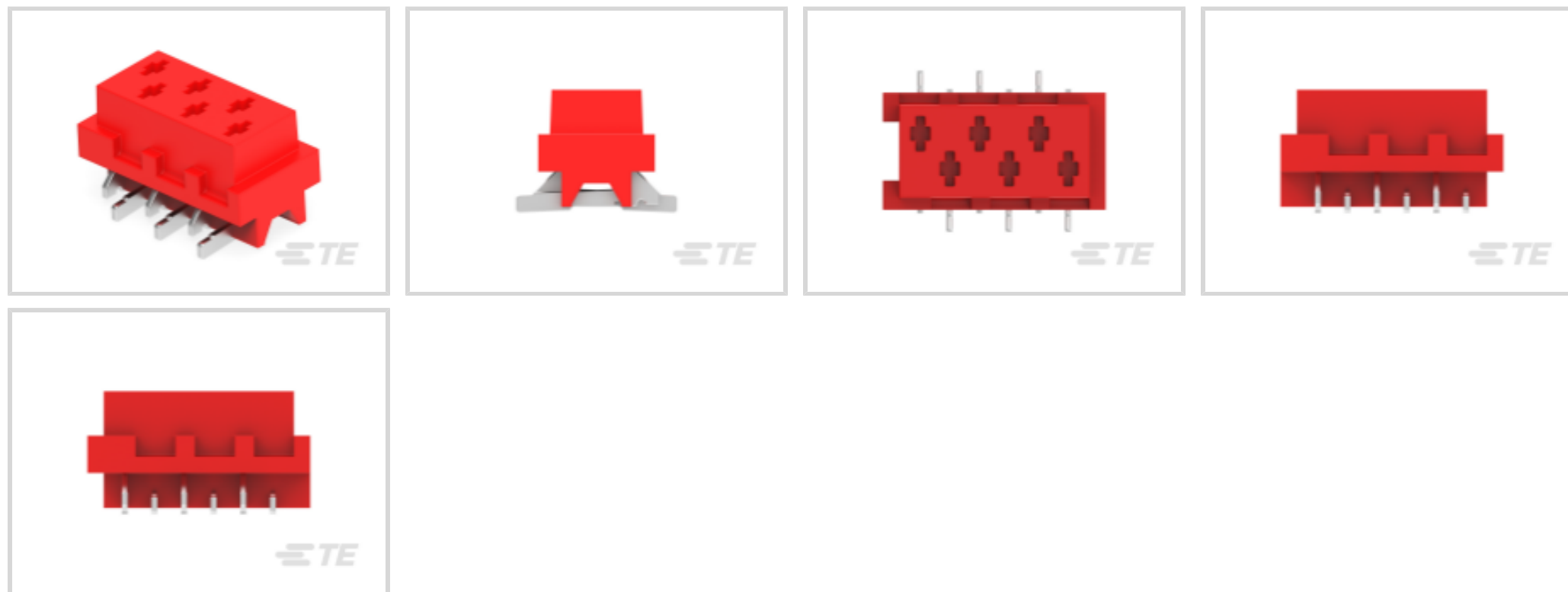
TE Internal #: 188275-6

Board-to-Board, 6 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial, Ribbon Cable Connectors

[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: **6**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All Female-on-Board Connector, Top Entry \(67\)](#)

Features

Electrical Characteristics

Operating Voltage	100 VDC
Insulation Resistance	1000 MΩ

Industry Standards

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

Packaging Features

Packaging Quantity	900
Packaging Method	Reel

Operation/Application

--	--



Solder Process Feature	Board Standoff
Circuit Application	Signal

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	3 – 5 μm [118.11 – 196.85 μin]
Contact Shape & Form	Dual Beam
PCB Contact Termination Area Plating Material Thickness	3 – 5 μm [118.11 – 196.85 μin]
Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
PCB Contact Termination Area Plating Material	Tin
Contact Type	Socket
Contact Current Rating (Max)	1.5 A

Body Features

Daisy Chain	Without
Primary Product Color	Red
Connector Profile	Standard

Dimensions

Connector Height	5.3 mm[.21 in]
Connector Length	9.7 mm[.382 in]
Row-to-Row Spacing	2 mm[.059 in]

Termination Features

Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Termination Method to PCB	Surface Mount

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	Board Mount
-------------------------	-------------

Housing Features

Mating Entry Location	Top
-----------------------	-----

Housing Material	PA 4.6
------------------	--------

Centerline (Pitch)	1.27 mm [.05 in]
--------------------	------------------

Product Type Features

Connector Product Type	Connector Assembly
------------------------	--------------------

Ribbon Cable Connector Type	Female-on-Board
-----------------------------	-----------------

Ribbon Cable Connector Header Type	Shrouded
------------------------------------	----------

Connector System	Board-to-Board
------------------	----------------

Connector & Housing Type	Receptacle
--------------------------	------------

Connector & Contact Terminates To	Printed Circuit Board
-----------------------------------	-----------------------

Configuration Features

Number of Positions	6
---------------------	---

PCB Mount Orientation	Vertical
-----------------------	----------

Number of Rows	2
----------------	---

Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
-----------------------------	-----------------------------

Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
--	---

Halogen Content	Not Low Halogen - contains Br or Cl > 900
-----------------	---

ppm.

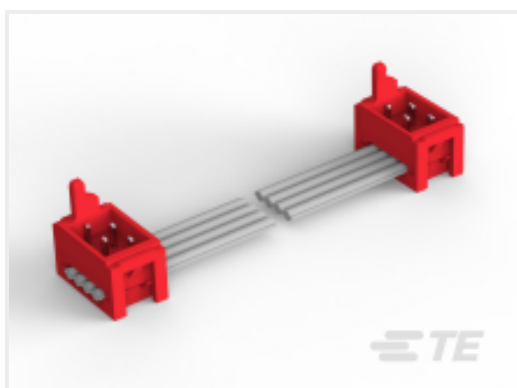
Solder Process Capability

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>

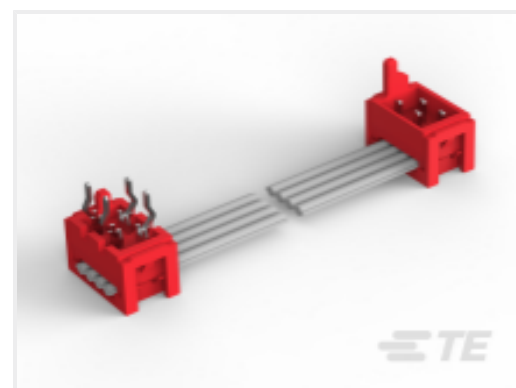
Compatible Parts



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-C1121A
MICRO-MATCH STD PB TO MOW
CABLE ASSY

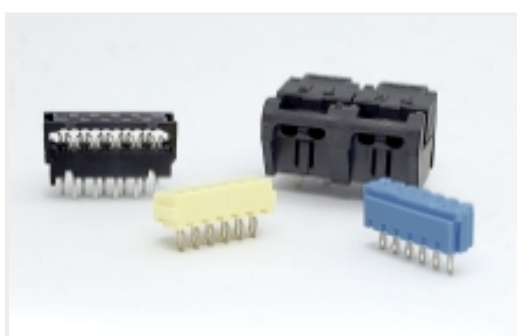


TE Part # CAT-M5833-M2934A
Male-on-Wire Connector, Micro-MaTch



TE Part # 338095-6
MICRO-MATCH COSIHSG

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Connector Contacts(4)



Insertion & Extraction Tools(1)

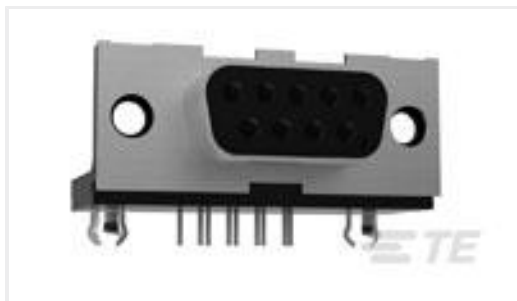


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(183)

Customers Also Bought



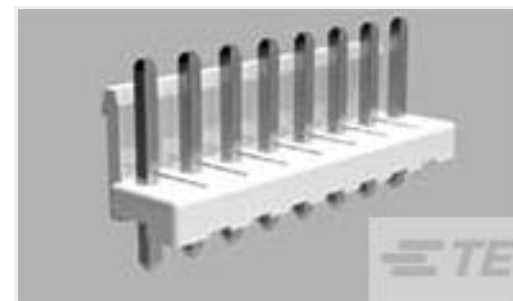
TE Part #3-106505-2
9P.HDP20 REC.ASSY.



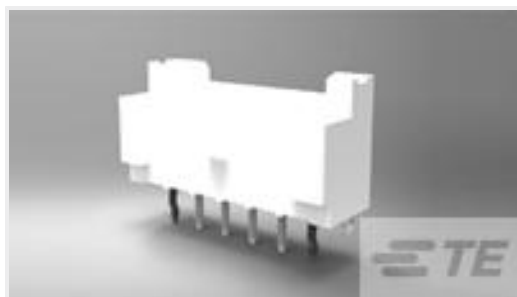
TE Part #188275-4
MICRO-MATCH SMD FTE



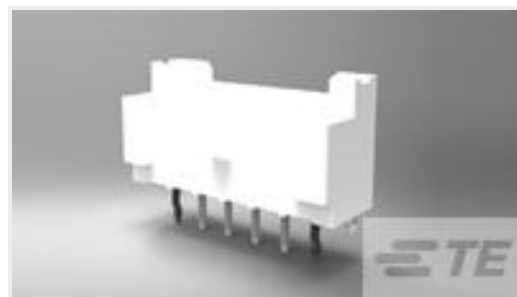
TE Part #1-207532-0
SKT HDR ASSY,24P,MMATE LF



TE Part #1-1123723-8
3.96 EP HDR ASSY 8P(NATURAL)



TE Part #2132415-3
EP2.5 Shrouded HDR ASSY 3P VERT w /o boss



TE Part #2132415-6
EP2.5 Shrouded HDR ASSY 6P VERT w /o boss



TE Part #2-1879498-0
CRGH1206 5% 82K 0.5W



TE Part #DT13-08PA
HDR, 8P, GRY, RA, NI/CU, A



TE Part #1612773-4
SEMI-HARD TRAY DDR2 SODIMM
SOCKET 200P 6



TE Part #8-1625966-4
HSA10 1K0 5%

Documents

Product Drawings

[MICRO-MATCH SMD FTE](#)

English

CAD Files

[Customer View Model](#)

[ENG_CVM_CVM_188275-6_U.2d_dxf.zip](#)

English

[3D PDF](#)



3D

Customer View Model

[ENG_CVM_CVM_188275-6_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_188275-6_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