

8-188275-6  ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 8-188275-6

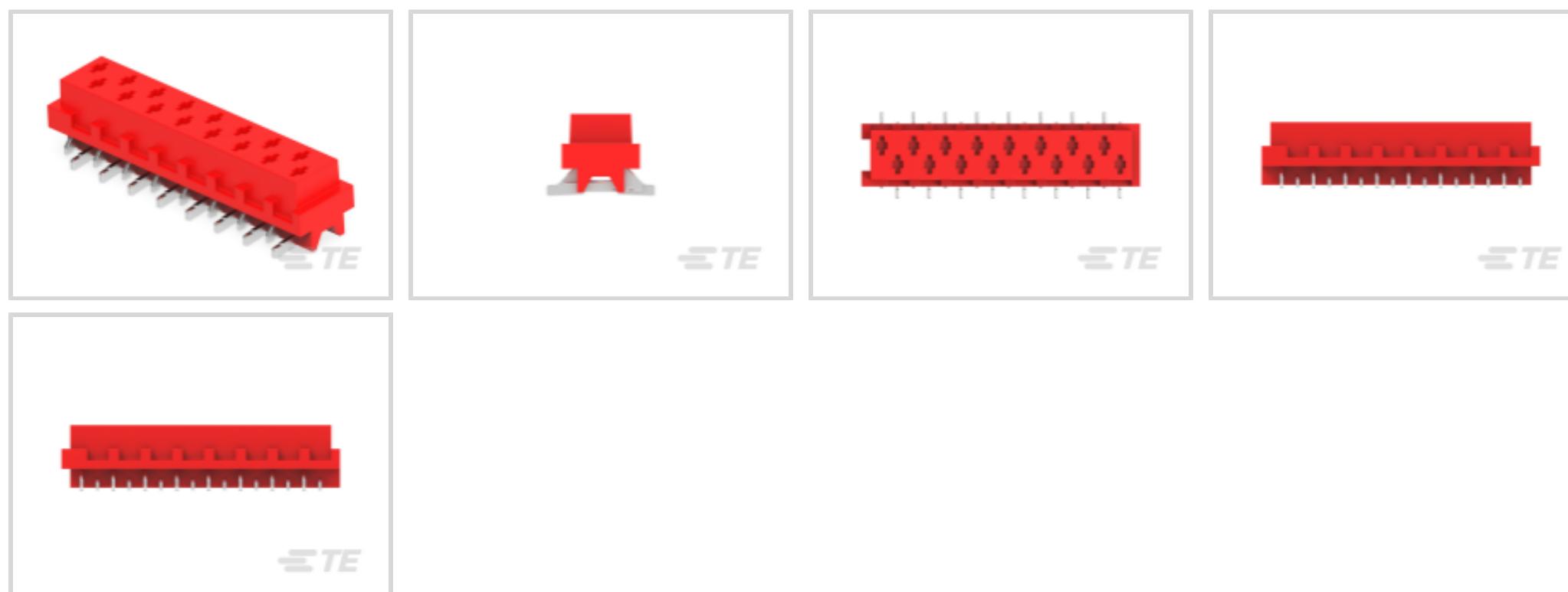
Board-to-Board, 16 Position, 1.27 mm [.05 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial, Ribbon Cable Connectors

[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: **16**

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	16
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
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Operating Voltage	100 VAC
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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 PCB	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

22.4 mm [.881 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

Compatible With Agency/Standards Products

UL

Compatible With Approved Standards Products

UL E28476

UL Flammability Rating

UL 94V-0

Packaging Features

Packaging Quantity

900

Packaging Method

Reel

Product ComplianceFor 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-M2934
Male-on-Wire Connector, Micro-MaTch



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



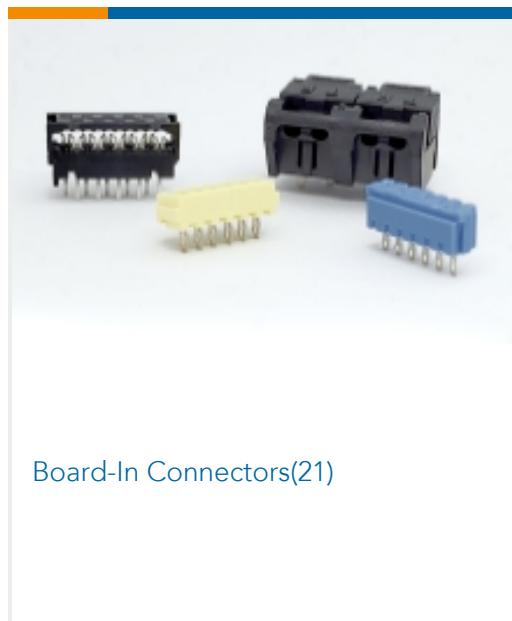
TE Part # 1-338095-6
MICRO-MATCH COSI HSG



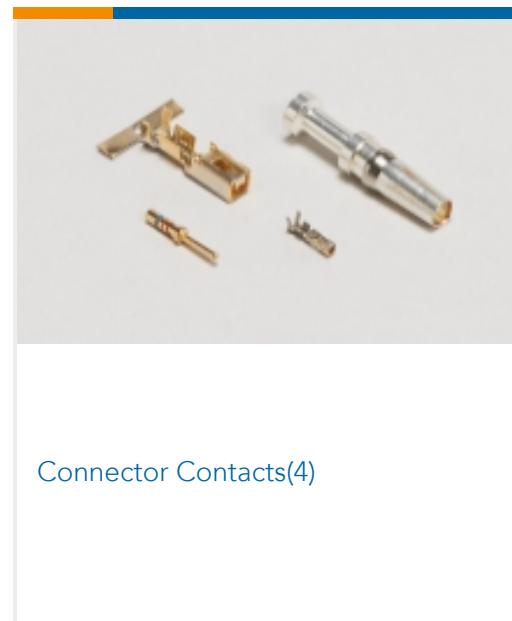
TE Part # CAT-M5833-C1121
MICRO-MATCH STD MOW TO MOW
CABLE ASSY



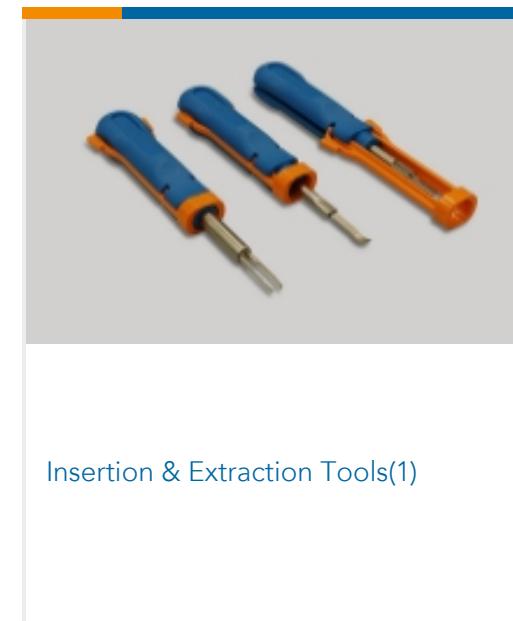
TE Part # CAT-M5833-C1121A
MICRO-MATCH STD PB TO MOW
CABLE ASSY

Also in the Series | [Micro-MaTch Industrial](#)

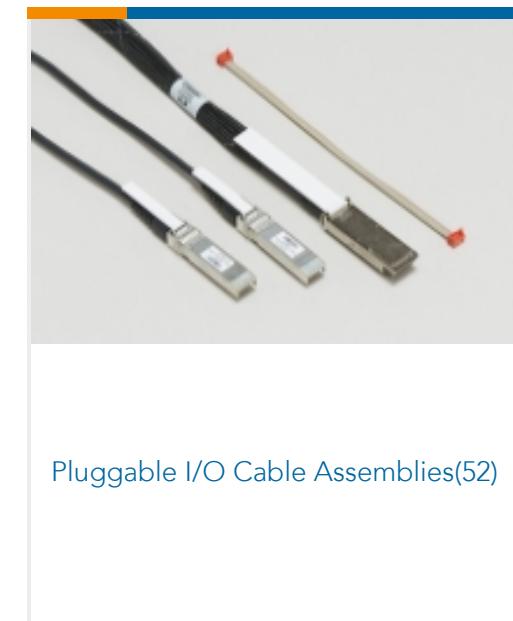
Board-In Connectors(21)



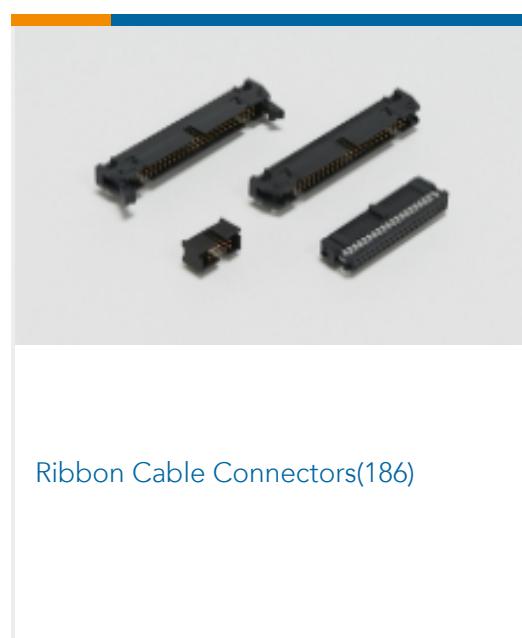
Connector Contacts(4)



Insertion & Extraction Tools(1)

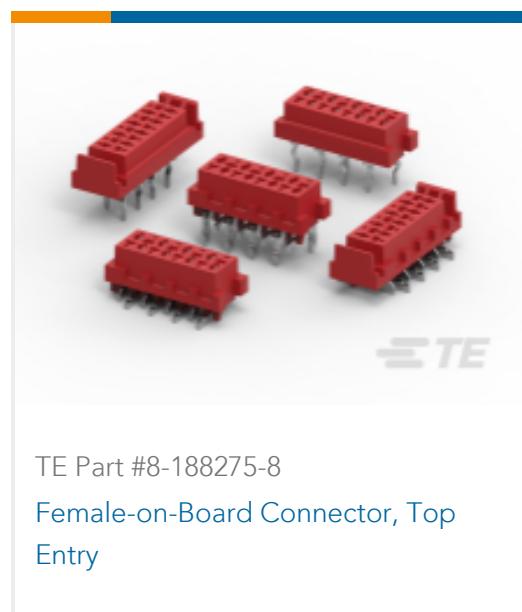


Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

Customers Also Bought



TE Part #8-188275-8
Female-on-Board Connector, Top Entry



TE Part #1-1625999-1
HSC100 1K2 5%



TE Part #5-825457-0
MOD 2 PIN HEADER



TE Part #826630-2
2P AMPMODU II STIFT LEI



TE Part #1939608-3
0.64/2.3 SERIES 20POS.CAP
HOUSING ASSY



TE Part #2822650-1
MP456P HD Receptacle Connector



TE Part #1-2176523-7
3503G 2B 75R 1% 1K RL



TE Part #1939608-4
0.64/2.3 SERIES 20POS.CAP
HOUSING ASSY

Documents

Product Drawings

MICRO-MATCH SMD FTE

English

CAD Files

Customer View Model

[ENG_CVM_CVM_8-188275-6_U.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_8-188275-6_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-188275-6_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