



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: **10**  
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

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

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
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
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	PA 4.6
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	14.7 mm[.578 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]
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Operation/Application

Solder Process Feature	Board Standoff
Circuit Application	Signal

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	900
Packaging Method	Reel

Other

Comment	For Use With Male-In-Wire/Male-On-Board
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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: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205)
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




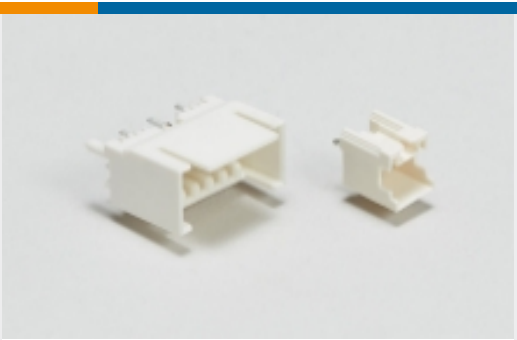


materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

 <p>TE Model / Part # CAT-M5833-M2934A MALE-ON-WIRE CONNECTOR</p>	 <p>TE Model / Part # CAT-M5833-M2934 MALE-ON-BOARD CONNECTOR</p>	 <p>TE Model / Part # CAT-M5833-C8684 CRIMP-ON-SNAP-IN HOUSING</p>	 <p>TE Model / Part # 2205071-2 CA MICRO-MATCH MOW-PB 10POS</p>
 <p>TE Model / Part # 2205063-3 CA MICRO-MATCH MOW-MOW 10POS</p>	 <p>TE Model / Part # 2205071-3 CA MICRO-MATCH MOW-PB 10POS</p>	 <p>TE Model / Part # 2205063-2 CA MICRO-MATCH MOW-MOW 10POS</p>	 <p>TE Model / Part # 2205063-1 CA MICRO-MATCH MOW-MOW 10POS</p>
 <p>TE Model / Part # 2205071-1 CA MICRO-MATCH MOW-PB 10POS</p>			

Also in the Series | Micro-MaTch Industrial

 <p>Pluggable I/O Cable Assemblies(51)</p>	 <p>Ribbon Cable Connectors(151)</p>	 <p>Wire-to-Board Connector Contacts(4)</p>	 <p>Wire-to-Board Headers &amp; Receptacles (51)</p>
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Customers Also Bought



TE Model / Part #1-84953-5  
1MM FPC HORZ.TOP CONT.ASSY 15P



TE Model / Part #2013499-1  
MICRO USB, TYPE B



TE Model / Part #2201778-1  
MICRO SD PUSH PUSH LOW PROFILE TYPE



TE Model / Part #1676153-3  
RN 0805 10K 0.1% 10PPM 5KRL



TE Model / Part #1827341-4  
DDR SODIMM SOCKET 200P 8H STD TYPE



TE Model / Part #9-1676481-0  
CPF 0603 47K 0.1% 25PPM 1K RL



TE Model / Part #3-1879216-2  
CPF0402 150K 0.1% 25PPM 1K RL

Documents

Product Drawings

MICRO-MATCH SMD FTE

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-188275-0\_U.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-188275-0\_U.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-188275-0\_U.3d\_stp.zip

English

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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

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