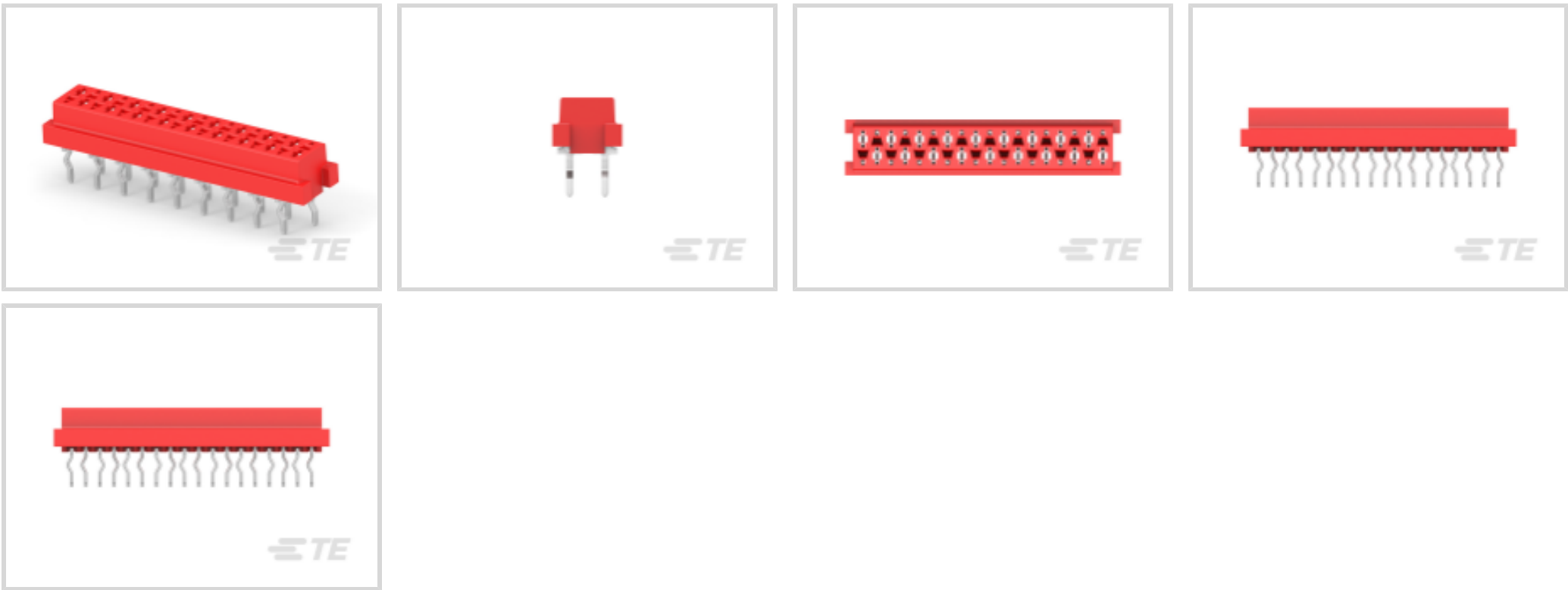




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors >  
Female-on-Board Connector, Top Entry



Connector System: **Board-to-Board**  
Number of Positions: **18**  
Centerline (Pitch): **1.27 mm [ .05 in ]**  
PCB Mount Retention: **With**  
PCB Mount Retention Type: **Kinked Solder Tails**

[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	18
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
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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 A
Termination Features	
Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 in]
Termination Post & Tail Length	3.1 mm[.122 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Kinked Solder Tails
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Top



Housing Material	PBT GF
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	24.9 mm[.98 in]
Connector Height	4 mm[.16 in]
PCB Thickness (Recommended)	1.6 mm[.062 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 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	250
Packaging Method	Box & Carton

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	Wave solder capable to 265°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-M2934A  
Male-on-Wire Connector, Micro-MaTch

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 # 1-338095-8  
18P. MICRO-MATCH COSI HSG

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

Also in the Series | Micro-MaTch Industrial

Board-In Connectors(21)

Connector Contacts(4)

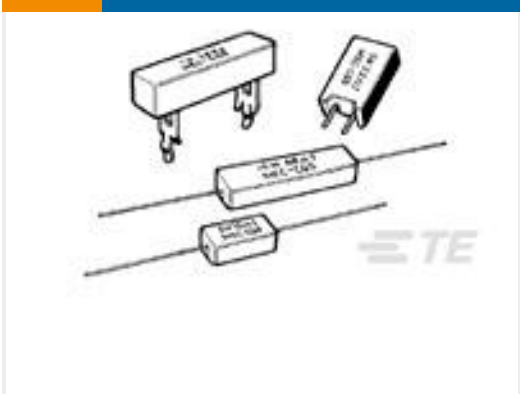
Insertion & Extraction Tools(1)

Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

Customers Also Bought



TE Part #1623788-2  
SQM5 10R 5% (WIRE)



TE Part #8-215079-0  
Female-on-Board Connector, Top Entry



TE Part #8-215464-8  
18P.MICRO-MATCH MOB



TE Part #1393236-2  
V23092-A1005-A301



TE Part #1614885-4  
CPF 0805 68K 0.1% 25PPM 1K RL



TE Part #1676153-1  
RN 0805 10K 0.1% 10PPM CUT LENGTH



TE Part #1761681-6  
IDC LOW PRO HDR 16P VERT HT BLACK



TE Part #6-534237-4  
16 MODII VRT SR CE 100/115

Documents

Product Drawings

MICRO-MATCH FOB.18P

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-215079-8\_T.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215079-8\_T.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-215079-8\_T.3d\_stp.zip

English

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





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Datasheets & Catalog Pages

Micro-MaTch Catalog

English

Ribbon Cable Interconnect Solutions

English

Centerline Micro-Match Connector Series

English

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Product Specifications

Product Specification

English

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Agency Approvals

UL Report

English