



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Wire Connector, Micro-MaTch



Connector System: **Cable-to-Board**
Number of Positions: **18**
Centerline (Pitch): **1.27 mm [.05 in]**
PCB Mount Retention: **Without**
PCB Mount Orientation: **Vertical**

[All Male-on-Wire Connector, Micro-MaTch \(19\)](#)

Features

Product Type Features

Connector System	Cable-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Wire & Cable
Connector Product Type	Connector Assembly
Ribbon Cable Connector Type	Male-On-Wire
Ribbon Cable Connector Header Type	Shrouded

Configuration Features

Number of Positions	18
PCB Mount Orientation	Vertical
Number of Rows	2

Housing Features

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

Mechanical Attachment

PCB Mount Retention	Without
Mating Alignment Type	Polarization



Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Cable Mount (Free-Hanging)
Contact Retention Type Within Housing	Press-Fit
Mating Alignment	With
PCB Mount Alignment	Without

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Method to Wire & Cable	Insulation Displacement (IDC)

Dimensions

Row-to-Row Spacing	2 mm[.059 in]
Compatible Insulation Diameter Range	.8 – 1 mm[.035 – .039 in]
Connector Height	6.8 mm[.27 in]
Wire Size	28 AWG
Connector Length	26.3 mm[1.035 in]

Body Features

Connector Profile	Standard
Daisy Chain	With
Primary Product Color	Red

Contact Features

Contact Current Rating (Max)	1.5 A
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]
Wire Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Material Finish	Matte
Mating Tab Width	.7 mm[.028 in]
Contact Mating Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Mating Tab Thickness	.4 mm[.016 in]
PCB Contact Termination Area Plating Material	Tin
Wire Contact Termination Area Plating Thickness	3 – 5 µm[118.11 – 196.85 µin]



Contact Type	Pin
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Operation/Application

Circuit Application	Signal
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Usage Conditions

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

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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	250
Packaging Method	Box & Carton

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

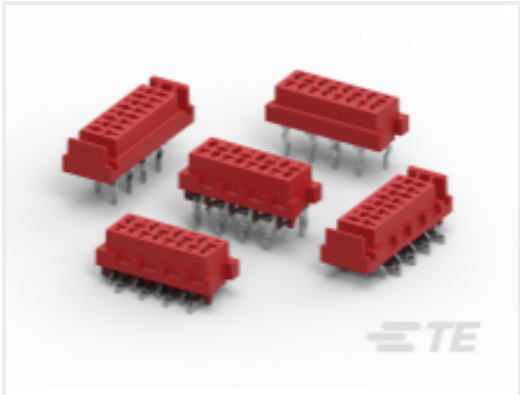
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability



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-F3492A
Female-on-Board Connector, Top Entry



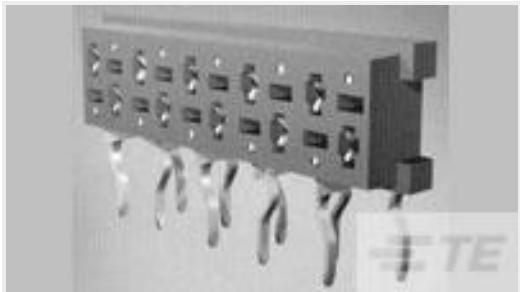
TE Part # 8-215460-8
MICRO-MATCH FSID P



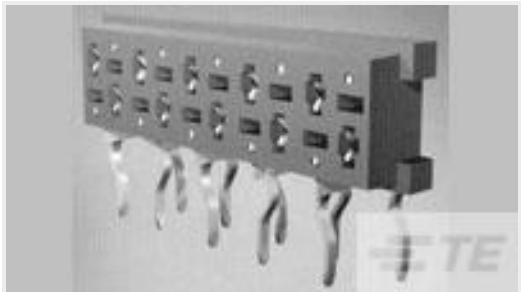
TE Part # 1-338070-8
MICRO-MATCH FEM.SE



TE Part # 1-215460-8
MICRO-MATCH FEM.SE



TE Part # 1-100400-8
MICRO-MATCH FSID NP



TE Part # 8-100400-8
MICR-MATCH FSID NP



TE Part # 734024-1
Micro-MaTch ADAPTER, 4-24 POS.

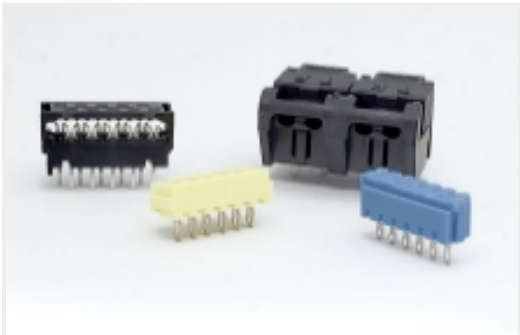


TE Part # 519708-1
TERMINATION PUSHER



TE Part # 677412-4
SEMI AUTO.MACHINE, MICRO-MATCH, 4-24 POS

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 #8-215083-2
Male-on-Wire Connector, Micro-MaTch



TE Part #8-215464-0
10P.MICRO-MATCH MOB



TE Part #1-338068-8
MICRO-MATCH FTE, 18P



TE Part #292174-3
CT BOX HDR V SMT 3P O/TAPE NAT



TE Part #T4171110004-002
M12, REAR MOUNTING, FEMALE, A, 4P, 0.5M WIRE

Documents

Product Drawings
MICRO-MATCH MOW.18P

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_8-215083-8_U.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_8-215083-8_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-215083-8_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

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[Centerline Micro-Match Connector Series](#)

English

Product Specifications

[Application Specification](#)

English

[micro match miniature connector system](#)

English

Agency Approvals

[UL Report](#)

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