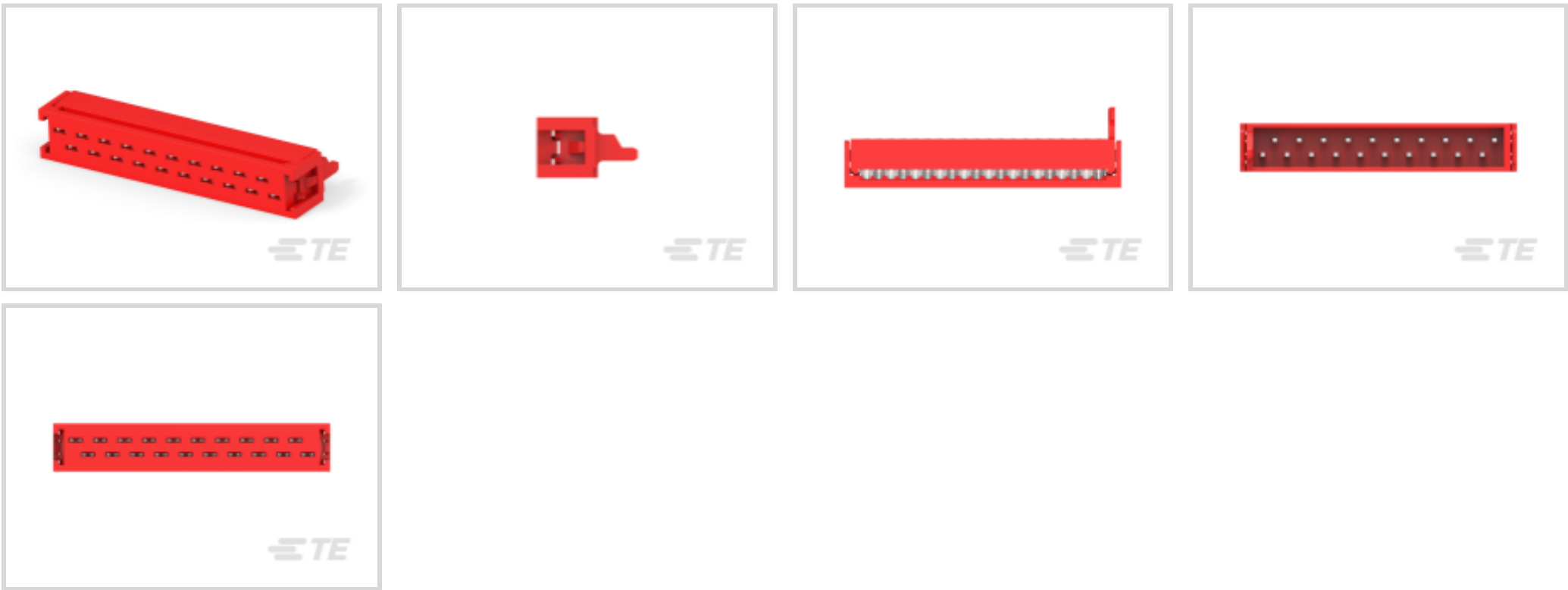




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Wire Connector, Micro-MaTch



Connector System: **Cable-to-Board**
Number of Positions: **20**
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	20
PCB Mount Orientation	Vertical
Number of Rows	2

Housing Features

Centerline (Pitch)	1.27 mm[.05 in]
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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
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	28.9 mm[1.138 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
Wire Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
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]
Wire Contact Termination Area Plating Thickness	3 – 5 µm[118.11 – 196.85 µin]



PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin

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

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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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	2500
Packaging Method	Reel

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

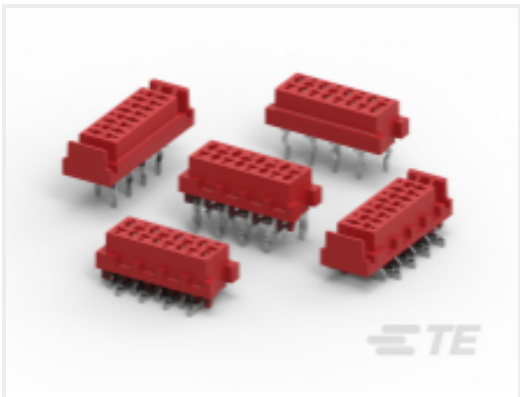


Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

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 # 9-215460-0
MICRO-MATCH FSID P



TE Part # 2-215460-0
MICRO-MATCH FEM.SE



TE Part # 2-338070-0
MICRO-MATCH FEM.SE



TE Part # 9-188431-0
M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.



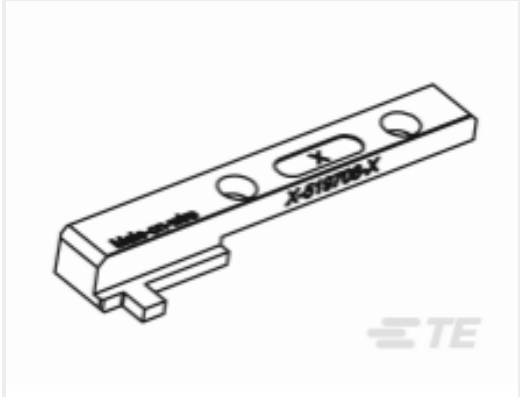
TE Part # 2-100400-0
MICRO-MATCH FSID NP



TE Part # 9-100400-0
MICRO-MATCH FSID NP



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

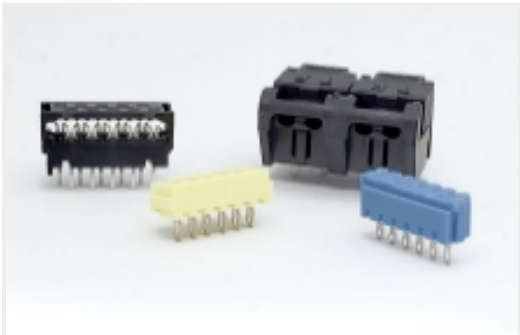


TE Part # 519708-1
TERMINATION PUSH



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)

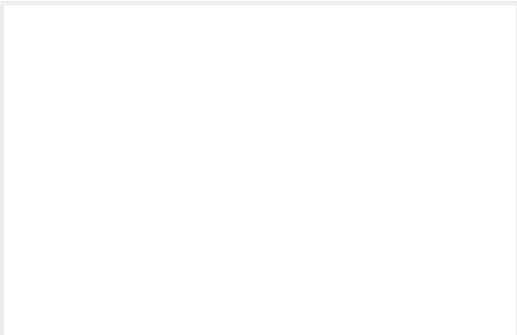
Customers Also Bought



TE Part #2-215083-4
Male-on-Wire Connector, Micro-MaTch



TE Part #8-1415067-1
V23092-A1005-A202



TE Part #5-1372710-7
CUTTING BLADE

Documents

Product Drawings

MICRO-MATCH MOW.20P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-215083-0_U.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-215083-0_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-215083-0_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

micro match miniature connector system

English

Agency Approvals

UL Report

English