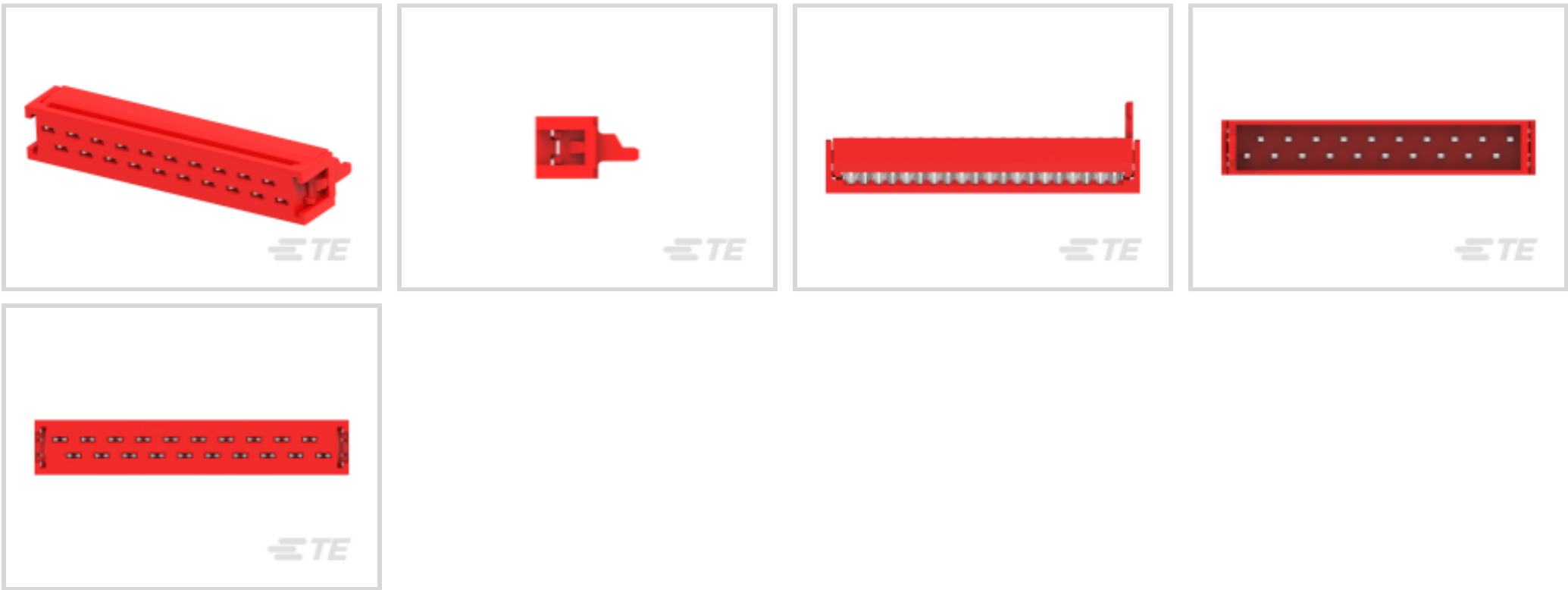




Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors > Male-on-Wire Connector, Micro-MaTch



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

Configuration Features

Number of Positions	20
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Operating Voltage	100 VDC
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Insulation Resistance	1000 MΩ
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Body Features

Daisy Chain	With
Primary Product Color	Red
Connector Profile	Standard

Contact Features

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 (Sn)
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
Contact Current Rating (Max)	1.5 A

Termination Features

Termination Method to Wire & Cable	Insulation Displacement (IDC)
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Mechanical Attachment

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

Housing Features

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

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]
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

Circuit Application	Signal
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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	250
Packaging Method	Box & Carton

Product Compliance

For compliance documentation, visit the product page on TE.com>

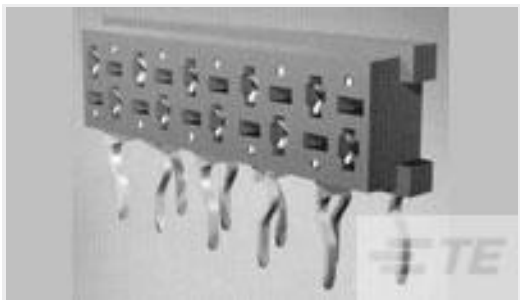
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability



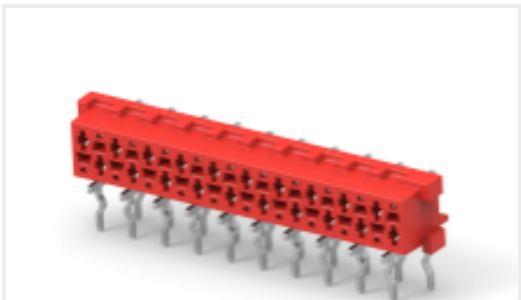
Product Compliance Disclaimer

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 # 2-100400-0
MICRO-MATCH FSID NP



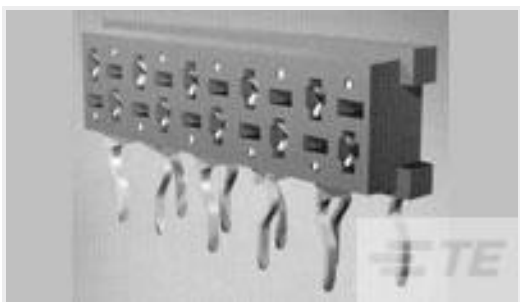
TE Part # 2-215460-0
MICRO-MATCH FEM.SE



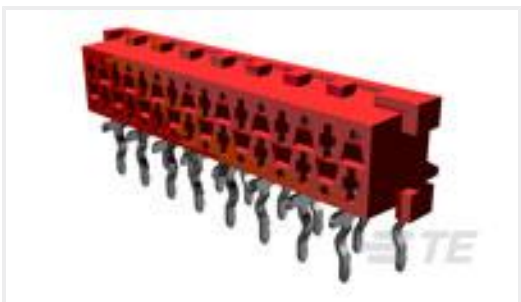
TE Part # 734024-1
Micro-MaTch ADAPTER, 4-24 POS.



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



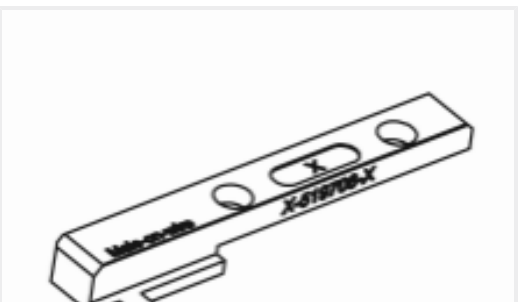
TE Part # 9-100400-0
MICRO-MATCH FSID NP



TE Part # 9-215460-0
MICRO-MATCH FSID P



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



TE Part # 519708-1
TERMINATION PUSHER

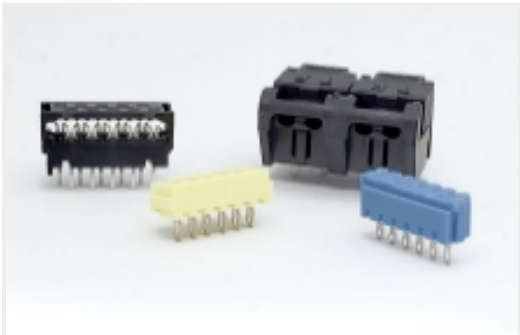


TE Part # CAT-M5833-F3492A
Female-on-Board Connector, Top Entry



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

Also in the Series | Micro-MaTch Industrial



Board-In Connectors(20)



Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)

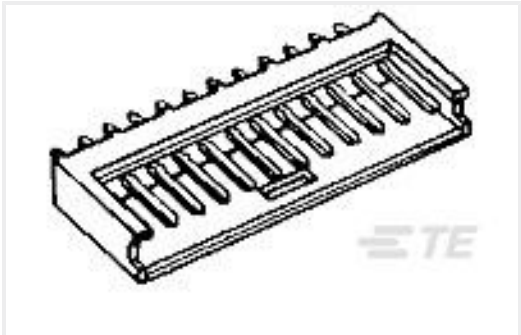


Ribbon Cable Connectors(183)

Customers Also Bought



TE Part #1-1462037-1
IM02JR=IM RELAY 140mW 4.5V



TE Part #280520-2
12P AMPMODU II SHRD HDR, ST, 0.38 AU



TE Part #350417-5
.093 COMM P&S SOK AU/Ni/BR AU



TE Part #244629-E
SMCIDC 26 KV AB VV 7-01 CL * H007 717 PO



TE Part #9-215570-0
MICRO-MATCH PBC.20P



TE Part #234465-E
SRCP 1,27 10 F 1 I2426 137 E1 162 1,07 T



TE Part #CAT-M5833-M2934A
Male-on-Wire Connector, Micro-MaTch

Documents

Product Drawings
MICRO-MATCH MOW.20P

English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_9-215083-0_U.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_9-215083-0_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-215083-0_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](#)

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Product Specifications

[Application Specification](#)

English

[micro match miniature connector system](#)

English

Agency Approvals

[UL Report](#)

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