

9-188431-0  ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 9-188431-0

Ribbon Cable Connectors, Cable-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Vertical, Surface Mount, 2 Row, Receptacle, Micro-MaTch Industrial

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Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Cable-to-Board**

Number of Positions: **20**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

Features

Product Type Features

Ribbon Cable Connector Type	Female-on-Board
Connector Product Type	Connector Assembly
Connector System	Cable-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

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 Layout	Staggered

Contact Type	Receptacle
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 Mating Area Plating Material Finish	Matte
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

Termination Method to Printed Circuit Board	Surface Mount
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Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	Without
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Bottom
Housing Material	PA 4.6 GF
Centerline (Pitch)	2.54 mm [.1 in]

Dimensions

Row-to-Row Spacing	1.5 mm [.059 in]
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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

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	1200
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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Reflow solder capable to 260°C

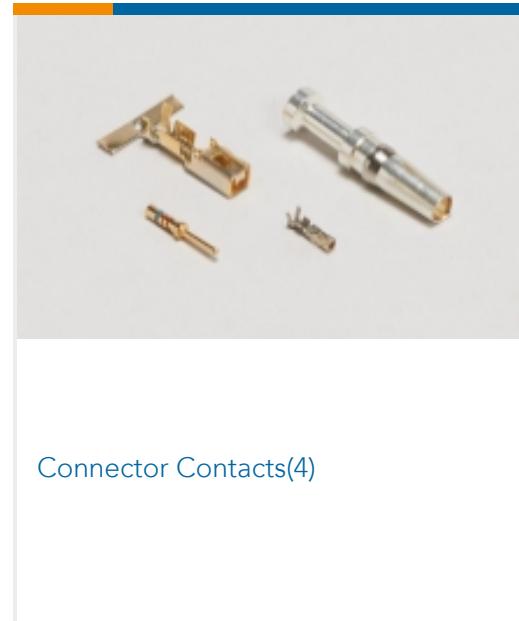
Compatible Parts



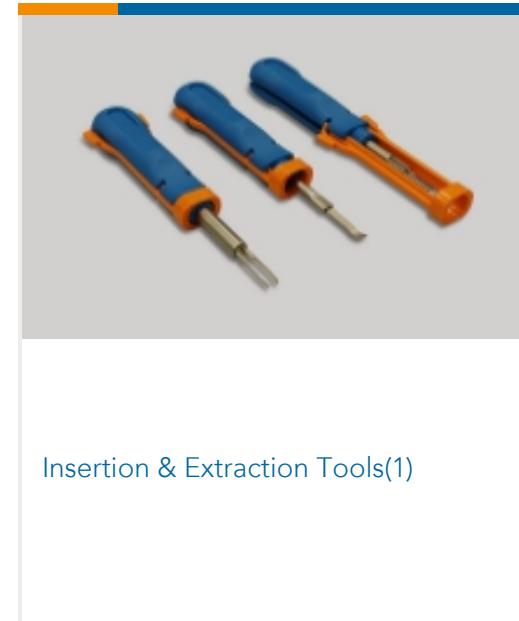
Also in the Series | Micro-MaTch Industrial



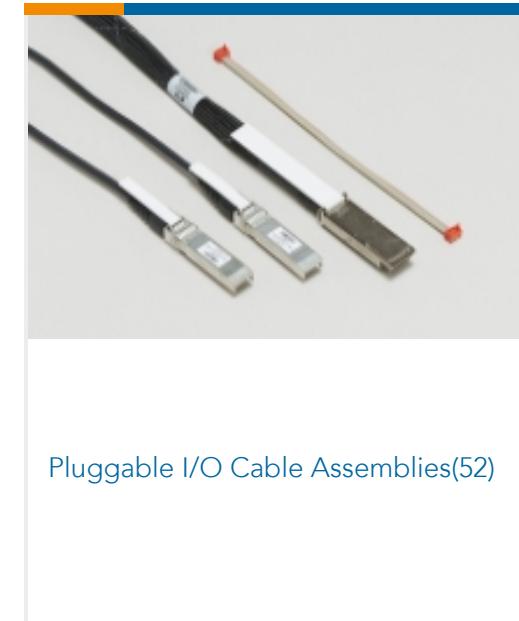
Board-In Connectors(21)



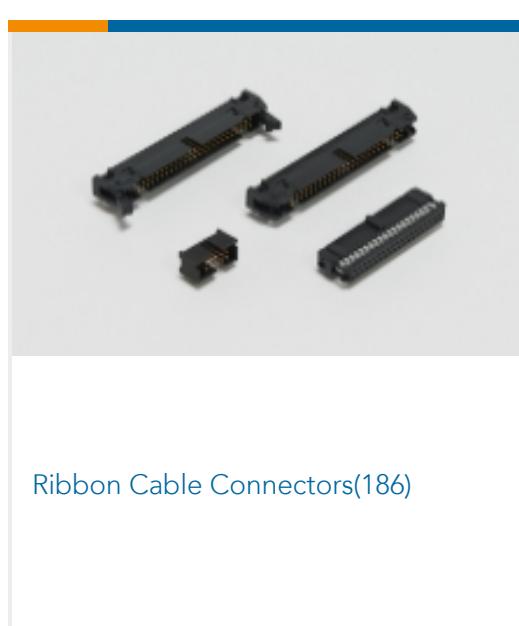
Connector Contacts(4)



Insertion & Extraction Tools(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(186)

Customers Also Bought

TE Part # 8-215079-0
Female-on-Board Connector, Top EntryTE Part # 215083-8
MICRO-MATCH MOW.08PTE Part # 1318382-2
Signal HeaderTE Part # 280360
AMPMODU II REC. HSG, SINGLE
ROW 6 POSTE Part # 1759547-1
mSATA/mini PCI-E 7H G/FTE Part # 1-1393788-1
V23079A1003B301TE Part # 1825360-2
ADE03A04=3 POS DIP SWITCH

Documents

Product Drawings

M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.

English

CAD Files

3D PDF

3D

Customer View Model[ENG_CVM_CVM_9-188431-0_E.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_9-188431-0_E.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_9-188431-0_E.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

[Centerline Micro-Match Connector Series](#)

English

Product Specifications[Application Specification](#)

English