

9-188275-0 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 9-188275-0

Ribbon Cable Connectors, Board-to-Board, 20 Position, .05 in [1.27 mm] 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 >

FEMALE-ON-BOARD CONNECTOR TOP ENTRY



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

Number of Positions: **20**

Centerline (Pitch): **1.27 mm [.05 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All FEMALE-ON-BOARD CONNECTOR TOP ENTRY \(67\)](#)

Features

Product Type Features

Connector Type	Connector Assembly
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	20
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without
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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)	1.5 A

Termination Features

Rectangular Termination Post & Tail Thickness	.25 mm[.01 in]
Rectangular Termination Post & Tail Width	.75 mm[.029 in]
Termination Method to Printed Circuit Board	Surface Mount

Mechanical Attachment

Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	With
Mating Retention Type	Contact Friction
Connector Mounting Type	Board Mount

Housing Features

Mating Entry Location	Top
Housing Material	PA 4.6
Housing Color	Red
Centerline (Pitch)	1.27 mm[.05 in]

Dimensions

Connector Length	27.4 mm[1.078 in]
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Connector Height	5.3 mm[.21 in]
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Row-to-Row Spacing	2 mm[.059 in]
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Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]
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Operation/Application

Solder Process Feature	Board Standoff
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Assembly Process Feature	Vacuum Tape
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Circuit Application	Signal
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Industry Standards

UL Rating	Recognized
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Agency/Standard	UL
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UL File Number	E28476
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	900
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Packaging Method	Reel
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Other

Comment	For Use With Male-In-Wire/Male-On-Board
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Reflow solder capable to 260°C
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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-C1121
MICRO-MATCH STD MOW TO MOW
CABLE ASSY



TE Part # CAT-M5833-M2934
MALE-ON-BOARD CONNECTOR



TE Part # CAT-M5833-M2934A
MALE-ON-WIRE CONNECTOR



TE Part # CAT-M5833-C1121A
MICRO-MATCH STD PB TO MOW
CABLE ASSY




TE Part # 2-338095-0
MICRO-MATCH COSI HSG

Also in the Series | Micro-MaTch Industrial




Board-In Connectors(20)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(1)



Pluggable I/O Cable Assemblies(52)



Ribbon Cable Connectors(184)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #4-2176370-7
RQ 0603 1K3 0.1% 10PPM 5K RL



TE Part #T4133512041-000
M12,FRONT MOUNT,FEMALE,D,4P, SOLDER WIRE



TE Part #2-215464-0
20P.MICRO-MATCH MOB



TE Part #1624112-7
3650 0603 47nH 5% 2K RL



TE Part #5-87579-5
16 MODII HDR DRRR SHRD LF



TE Part #3827113001
44A1121-20-2/9-9



TE Part #6-1123724-2
3.96EP HDR ASSY 2(3)P GREEN



TE Part #293266-1
32 position mqs header ass'y

Documents

Product Drawings

MICRO-MATCH SMD FTE

English

CAD Files

Customer View Model

[ENG_CVM_CVM_9-188275-0_U.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_9-188275-0_U.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-188275-0_U.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Micro-MaTch Catalog](#)

English

[Ribbon Cable Interconnect Solutions](#)

English

[Centerline Micro-Match Connector Series](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_9-188275-0_10062017513_dmtec](#)

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