

9-338069-0 ✓ ACTIVE

Micro-MaTch | Micro-MaTch Industrial

TE Internal #: 9-338069-0

TE Internal Description: MICRO-MATCH SMD FTE

FEMALE-ON-BOARD CONNECTOR TOP ENTRY

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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

| | |
|-----------------------------------|-----------------------|
| Header Type | Shrouded |
| 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 |

Electrical Characteristics

| | |
|-------------------|---------|
| Operating Voltage | 100 VDC |
|-------------------|---------|

Body Features

| | |
|-------------------|----------|
| Connector Profile | Standard |
|-------------------|----------|

Contact Features

| | |
|--|---|
| Contact Type | Socket |
| Contact Mating Area Plating Material Thickness | 3 – 5 μm [118.11 – 196.85 μin] |
| Contact Mating Area Plating Material | Tin |
| 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 Post & Tail Length | 5.3 mm[.208 in] |
| Termination Method to Printed Circuit Board | Surface Mount |

Mechanical Attachment

| | |
|-----------------------|--------------|
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| Panel Mount Feature | Without |
| PCB Mount Retention | Without |
| Mating Alignment Type | Polarization |
| Mating Retention | With |
| Mating Retention Type | Latch |

Housing Features

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

Dimensions

| | |
|-----------------------------|-----------------|
| Connector Height | 6.9 mm[.27 in] |
| PCB Thickness (Recommended) | 1.6 mm[.062 in] |
| Row-to-Row Spacing | 1.5 mm |

Usage Conditions

| | |
|-----------------------------|--------------|
| Operating Temperature Range | -40 – 105 °C |
|-----------------------------|--------------|

Operation/Application

| | |
|--------------------------|-------------|
| Assembly Process Feature | Vacuum Tape |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Quantity | 900 |
|--------------------|-----|

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: JUL 2019 (201)
 Candidate List Declared Against: JUL 2019 (201)
 Does not contain REACH SVHC

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUL 2019 (201)
 Candidate List Declared Against: JUL 2019 (201)

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Reflow solder capable to 260°C

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



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



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



TE Part # CAT-M5833-C8684
CRIMP-ON-SNAP-IN HOUSING

Also in the Series | **Micro-MaTch Industrial**



Pluggable I/O Cable Assemblies(54)

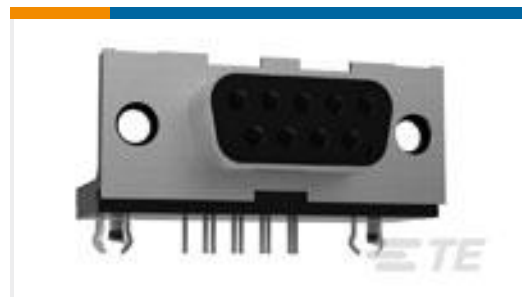


Ribbon Cable Connectors (203)



Wire-to-Board Connector Contacts(4)

Customers Also Bought



TE Part #1-106507-2
25P.HDP20 REC.ASSY.



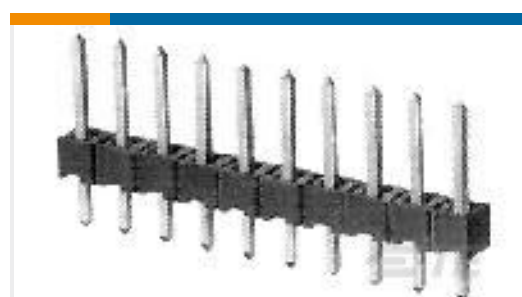
TE Part #1-338168-2
9POL HDP20 PLUG



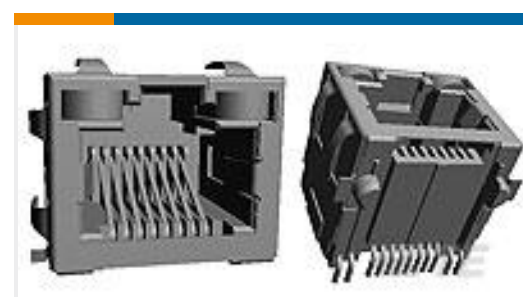
TE Part #825433-5
MOD 2 PINHDR 1X5 P.



TE Part #825433-2
MOD 2 PINHDR 1X2 P.



TE Part #825433-3
MOD 2 PINHDR 1X3 P.



TE Part #6339160-1
MJ,RJ45,SMT,SHLD,
PANEL GRD



TE Part #1-726389-2
FASTON 187 TAB FLAG .
.032 TPBR LP

Documents

[Product Drawings](#)
[MICRO-MATCH SMD FTE](#)

English

[CAD Files](#)

[3D PDF](#)

[3D](#)



Customer View Model

[ENG_CVM_CVM_9-338069-0_K.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-338069-0_K.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_9-338069-0_K.3d_stp.zip](#)

English

Datasheets & Catalog Pages

[Micro-MaTch Catalog](#)

English

[Centerline Micro-Match Connector Series](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English