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MALE-ON-BOARD CONNECTOR



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

Number of Positions: **10**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

All MALE-ON-BOARD CONNECTOR (36)

Features

Product Type Features

Connector Type	Connector Assembly
Ribbon Cable Connector Header Type	Shrouded
Connector Product Type	Connector Assembly
Connector System	Board-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	100 VAC

Body Features

Daisy Chain	Without
Connector Profile	Standard



Contact Features

PCB Contact Termination Area Plating Material Thickness	3 – 5 µm[118.11 – 196.85 µin]
Mating Tab Width	.7 mm[.028 in]
Mating Tab Thickness	.4 mm[.016 in]
Contact Type	Pin
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	Copper Alloy
Contact Current Rating (Max)	1 A

Termination Features

Rectangular Termination Post & Tail Thickness	.4 mm[.016 in]
Square Termination Post & Tail Dimension	.4 mm[.016 in]
Rectangular Termination Post & Tail Width	.5 mm[.02 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
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Polarization
Mating Retention	Without
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	15.9 mm[.625 in]
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Connector Height	4.6 mm[.18 in]
PCB Thickness (Recommended)	1.6 mm[.062 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

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

Industry Standards

UL Flammability Rating	UL 94V-0
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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: JAN 2020 (205) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2020 (205) 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




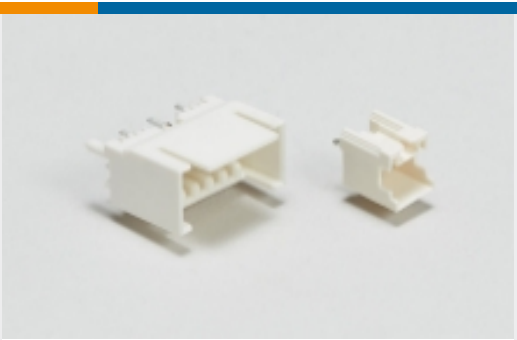


chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may 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

 <p>TE Model / Part # CAT-M5833-F3492A FEMALE-ON-BOARD CONNECTOR TOP ENTRY</p>	 <p>TE Model / Part # 8-215460-0 MICRO-MATCH FSID P</p>	 <p>TE Model / Part # 8-188431-0 M-MATCH FEM. BOTTOM ENTRY SMD INB.CONN.</p>	 <p>TE Model / Part # 1-338070-0 MICRO-MATCH FEM.SE</p>
 <p>TE Model / Part # 1-215460-0 MICRO-MATCH FEM.SE</p>	 <p>TE Model / Part # 1-100400-0 MICRO-MATCH FSID NP</p>	 <p>TE Model / Part # 8-100400-0 MICRO-MATCH FSID NP</p>	

Also in the Series | Micro-MaTch Industrial

 <p>Pluggable I/O Cable Assemblies(51)</p>	 <p>Ribbon Cable Connectors(151)</p>	 <p>Wire-to-Board Connector Contacts(4)</p>	 <p>Wire-to-Board Headers & Receptacles (51)</p>
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Customers Also Bought



TE Model / Part #3-829587-0
2X30P MOD2 STIFTLEI

TE Model / Part #646478-5
2MM H.M., "A" SHROUD, 4.5MM

TE Model / Part #3-2176331-4
CRGP 2512 5K6 1%

TE Model / Part #646482-2
2MM H.M.,B-22 SHROUD 3.9MM

TE Model / Part #1-1744037-0
10P EC PWR.200 CL HDR ASSY VRT

TE Model / Part #1393258-8
V23047-A1018-A501

TE Model / Part #2118732-2
STD SHIELD FRAME, CRS-50.80X38.10X5.08MM

Documents

Product Drawings

MICROM. MOB SMD CON

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-338728-0_E_c-8-338728-0-e.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-338728-0_E_c-8-338728-0-e.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-338728-0_E_c-8-338728-0-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

