

# 3M™ Boardmount Socket

.100" and .100" × .100" Straight, Solder Tails

929 Series



- 1-40 contacts on single row, 2-80 contacts on two row
- Tuning fork contact design
- Solder standoffs facilitate production wave soldering
- Optional board retention feature
- See the Regulatory Information Appendix (RIA) in the RoHS compliance section of [www.3mconnectors.com](http://www.3mconnectors.com) for compliance information (RIA E1 & C1 apply)

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## Physical

### Insulator:

Material: Glass Filled Polyester (PCT)

Flammability: UL 94V-0

Color: Black

Contact Material: Copper Alloy

### Plating:

Underplating: 100 μ" [ 2.54 μm ] Nickel

Wiping Area: See ordering information options for thickness

Solder Tails: Tin Lead or Matte Tin (See ordering information)

Marking: None

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## Electrical

**Current Rating:** 2 amps maximum all lines energized at 65°C maximum ambient

**Insulation Resistance:**  $> 5 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

**Withstanding Voltage:** 1,500 V<sub>RMS</sub> at Sea Level

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## Environmental

**Temperature Rating:** -40°C to +105°C

**Process Rating:** 260°C (per J-STD-020C)  
(PBT Insulator version), Maximum molded insulator temperature 191°C  
(Solder Wave Process Only)

UL File No.: E68080

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**Section A-A**



**Recommended Mounting Hole Patterns**  
(Shown for Mounting Side of Board)

Contact Quantity Code	Contact Quantity 1 Row	Contact Quantity 2 Row	Dimension A (Reference Only)
02	02	04	0.20 [ 5.08 ]
03	03	06	0.30 [ 7.62 ]
04	04	08	0.40 [ 10.16 ]
05	05	10	0.50 [ 12.70 ]
06	06	12	0.60 [ 15.24 ]
07	07	14	0.70 [ 17.78 ]
08	08	16	0.80 [ 20.32 ]
09	09	18	0.90 [ 22.86 ]
10	10	20	1.00 [ 25.40 ]
11	11	22	1.10 [ 27.94 ]
12	12	24	1.20 [ 30.48 ]
13	13	26	1.30 [ 33.02 ]
14	14	28	1.40 [ 35.56 ]
15	15	30	1.50 [ 38.10 ]
16	16	32	1.60 [ 40.64 ]
17	17	34	1.70 [ 43.18 ]
18	18	36	1.80 [ 45.72 ]
19	19	38	1.90 [ 48.26 ]
20	20	40	2.00 [ 50.80 ]
21	21	42	2.10 [ 53.34 ]
22	22	44	2.20 [ 55.88 ]
23	23	46	2.30 [ 58.42 ]
24	24	48	2.40 [ 60.96 ]
25	25	50	2.50 [ 63.50 ]
26	26	52	2.60 [ 66.04 ]
27	27	54	2.70 [ 68.58 ]
28	28	56	2.80 [ 71.12 ]
29	29	58	2.90 [ 73.66 ]
30	30	60	3.00 [ 76.20 ]
31	31	62	3.10 [ 78.74 ]
32	32	64	3.20 [ 81.28 ]
33	33	66	3.30 [ 83.82 ]
34	34	68	3.40 [ 86.36 ]
35	35	70	3.50 [ 88.90 ]
36	36	72	3.60 [ 91.44 ]
40	N/A	80	4.00 [ 101.60 ]

Inch  
[mm]

Tolerance Unless Noted			
	.0	.00	.000
Inch	±.1	±.01	±.005

[ ] Dimensions for Reference Only

**Notes:**

1. Maximum recommended mating header pin length is .25 [ 6.4 ].
2. Recommended to be mated to the .100 [ 2.54 ] × .100 [ 2.54 ] pin strip headers: 929 series and 2300 series.

## Ordering Information

**9X9XXX-01-XX-XX**

2 = Standard Product  
(no board retention feature)  
3 = With board retention feature

1 Row Plating Options:  
850 = Gold  
974 = Tin  
2 Row Plating Options: \*  
852 = Gold  
975 = Tin

Plating Suffix:  
blank = tin-lead (RIA E3 & C2 apply)  
RK = matte tin overall H.T. Nylon Insulator (RIA E1 & C1 apply)  
10 = 10 μ" [ 0.25 μm ] gold with tin-lead tails (RIA E3 & C2 apply)  
30 = 30 μ" [ 0.76 μm ] gold with tin-lead tails (RIA E3 & C2 apply)  
RA = 10 μ" [ 0.25 μm ] gold with matte tin tails (RIA E1 & C1 apply)  
RB = 30 μ" [ 0.76 μm ] gold with matte tin tails (RIA E1 & C1 apply)

Contact Quantity Code:  
(see table)

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