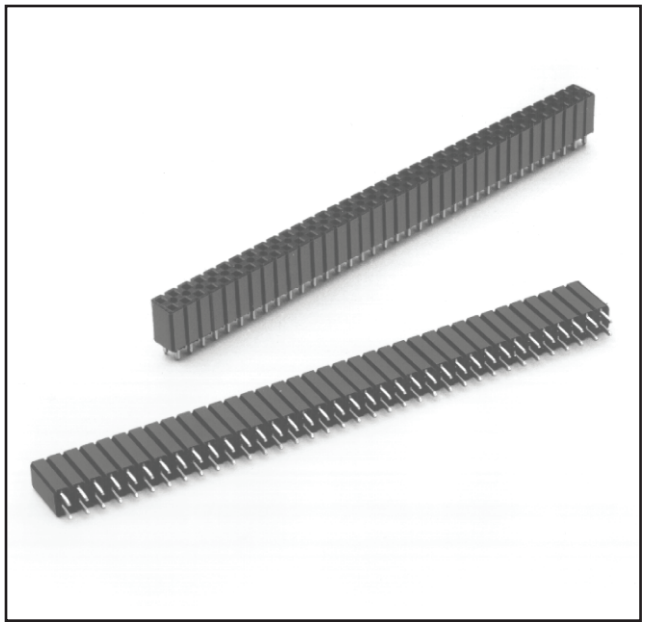
3M™ Boardmount Socket

.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 for compliance information (RIA E1 & C1 apply)

Date Modified: June 27, 2013

TS-0815-E
Sheet 1 of 2

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

Electrical

Current Rating:	2 amps maximum all lines energized at 65ºC maximum ambient
Insulation Resistance:	$> 5 \times 10^9 \Omega$ at 500 V_{DC}
Withstanding Voltage:	1,500 V_{RMS} at Sea Level

Environmental

Temperature Rating:	-40ºC to +105ºC
Process Rating:	260ºC (per J-STD-020C) (PBT Insulator version), Maximum molded insulator temperature 191ºC (Solder Wave Process Only)

UL File No.: E68080

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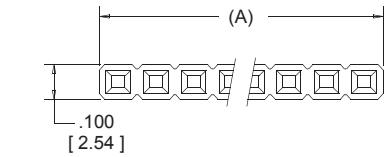
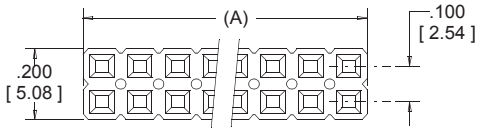
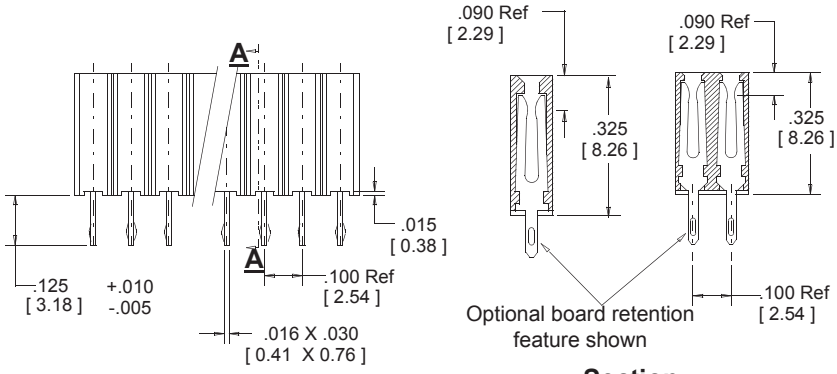
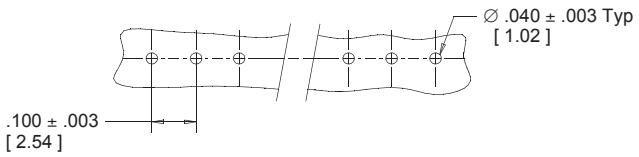
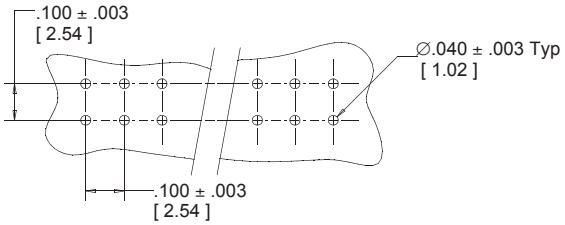






Section A-A





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
- Contact Quantity Code: (see table)
- 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)

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