3M[™] Boardmount Socket

.100" and .100" \times .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: 100μ " [$2.54 \mu m$] 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 65°C maximum ambient

Insulation Resistance: $> 5 \times 10^{9} \Omega$ at 500 V_{DC} **Withstanding Voltage:** $1,500 \text{ V}_{RMS}$ at Sea Level

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

Dimension A

(Reference

Only) 0.20 [5.08]

0.30 [7.62]

0.40 [10.16]

0.50 [12.70]

0.60 [15.24]

0.70 [17.78]

0.80 [20.32]

0.90 [22.86]

1.00 [25.40]

1.10 [27.94]

1.20 [30.48]

1.30 [33.02]

1.40 [35.56]

1.50 [38.10]

1.60 [40.64]

1.70 [43.18]

1.80 [45.72]

1.90 [48.26]

2.00 [50.80]

2.10 [53.34]

2.20 [55.88]

2.30 [58.42]

2.40 [60.96]

2.50 [63.50]

2.60 [66.04]

2.70 [68.58]

2.80 [71.12] 2.90 [73.66]

3.00 [76.20]

3.10 [78.74]

3.20 [81.28]

3.30 [83.82]

3.40 [86.36]

3.50 [88.90]

3.60 [91.44]

4.00 [101.60]

.000

±.005

Contact

Quantity

2 Row

06

80

10

12

14

16

18

20

22

24

26

28

30

32

34

36

38

40

42

44

46

48

50

52

54

56

58

60

62

64

66

68

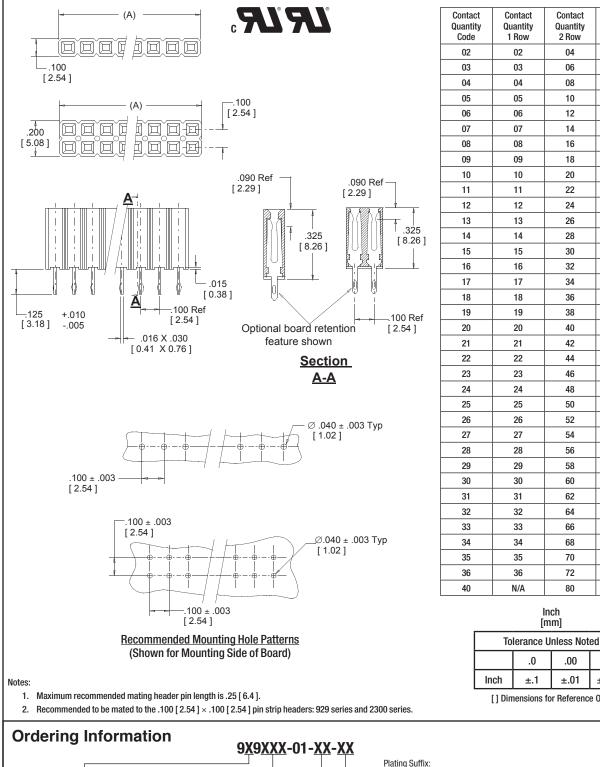
70

72

80

±.01

.100" and .100" \times .100" Straight, Solder Tails



Maximum recommended mating header pin let Recommended to be mated to the .100 [2.54]	[] Dimensions for Reference Only s: 929 series and 2300 series.		
Ordering Information 2 = Standard Product (no board retention feature) 3 = With board retention feature	9X9XXX-01 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 \(\mu^{\text{"}}\) [0.25 \(\mu^{\text{"}}\) gold with tin-lead tails (RIA E3 & C2 apply) 30 = 30 \(\mu^{\text{"}}\) [0.76 \(\mu^{\text{"}}\) gold with tin-lead tails (RIA E3 & C2 apply) RA = 10 \(\mu^{\text{"}}\) [0.25 \(\mu^{\text{"}}\) gold with matte tin tails (RIA E1 & C1 apply) RB = 30 \(\mu^{\text{"}}\) [0.76 \(\mu^{\text{"}}\) gold with matte tin tails (RIA E1 & C1 apply) Contact Quantity Code: (see table)	TS-0815-E Sheet 2 of 2

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RIA-2217B-E

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