

3M™ Boardmount Socket

.100" Low Profile, Straight, Solder Tails

929 Series



- 1-36 contacts
- Tuning fork contact design
- Low profile permits board stacking as close as .150"
- Solder stand-offs facilitate production wave soldering
- See Regulatory Information Appendix (RIA) for chemical compliance information

Date Modified: March 9, 2007

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Physical

Insulation

Material: Glass Filled Polyester (PBT) or High Temperature Nylon

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 100 μ" [2.54 μm] Nickel

Wiping Area: Gold, Tin Lead or Matte Tin (See ordering information)

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

Marking: None

Electrical

Current Rating: 1 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 VDC

Withstanding Voltage: 1000 Vrms at Sea Level

Environmental

Temperature Rating: -40°C to 105°C

Process Rating: 260°C (High Temp Nylon version only) single pass, (Profile 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 Pattern
(Shown for mounting side of board)

Inch
[mm]

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

[] Dimensions for Reference Only



Contact Quantity	Dimension A
02	0.20 [5.08]
03	0.30 [7.62]
04	0.40 [10.16]
05	0.50 [12.70]
06	0.60 [15.24]
07	0.70 [17.78]
08	0.80 [20.32]
09	0.90 [22.86]
10	1.00 [25.40]
11	1.10 [27.94]
12	1.20 [30.48]
13	1.30 [33.02]
14	1.40 [35.56]
15	1.50 [38.10]
16	1.60 [40.64]
17	1.70 [43.18]
18	1.80 [45.72]
19	1.90 [48.26]
20	2.00 [50.80]
21	2.10 [53.34]
22	2.20 [55.88]
23	2.30 [58.42]
24	2.40 [60.96]
25	2.50 [63.50]
26	2.60 [66.04]
27	2.70 [68.58]
28	2.80 [71.12]
29	2.90 [73.66]
30	3.00 [76.20]
31	3.10 [78.74]
32	3.20 [81.28]
33	3.30 [83.82]
34	3.40 [86.36]
35	3.50 [88.90]
36	3.60 [91.44]

Note:

- Maximum recommended mating header pin length is .101 [2.57].

Ordering Information

929XXX-01-XX-XX

Plating Options:
870 = Gold
984 = Tin

Contact Quantity:
See Table

Plating Options:

984 Series (Tin plated)
blank = overall tin-lead (RIA E3 & C2 apply)
RK = overall matte tin (RIA E1 & C1 apply)

870 Series (Gold plated)

10 = 10µ" gold with tin-lead tails (RIA E3 & C2 apply)
30 = 30µ" gold with tin-lead tails (RIA E3 & C2 apply)
RA = 10µ" gold with matte tin tails (RIA E1 & C1 apply)
RB = 30µ" gold with matte tin tails (RIA E1 & C1 apply)

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Regulatory Information Appendix

3M Electronic Solutions Division/Interconnect

EUROPE

Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product is RoHS Compliant 2005/95/EC.

“RoHS Compliant 2005/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M’s best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M’s Regulatory Information Appendix, then 3M’s entire liability and Buyer’s exclusive remedy will be in accordance with the Warranty stated below.

Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

“RoHS Compliant 2005/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M’s best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M’s Regulatory Information Appendix, then 3M’s entire liability and Buyer’s exclusive remedy will be in accordance with the Warranty stated below.

Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M’s best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M’s Regulatory Information Appendix, then 3M’s entire liability and Buyer’s exclusive remedy will be in accordance with the Warranty stated below.

Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains decaBDE in the insulating material in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/17/EC.

“RoHS Compliant 2005/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M’s best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M’s Regulatory Information Appendix, then 3M’s entire liability and Buyer’s exclusive remedy will be in accordance with the Warranty stated below.