

Solutions for Electronic Specialty Markets (ESM)

Product Catalog for Electronic Specialty Markets

- 3M™ Electronic Specialty Markets - New Product Releases
- 3M™ Abrasives
- 3M™ Adhesives, Cleaners & Compounds
- 3M™ Breadboards & Test Clips
- 3M™ Cable & Assemblies
- **3M™ Copper Interconnects**
- 3M™ Fiber Optics
- 3M™ Fire Protection
- 3M™ Heat Shrink
- 3M™ Identification Systems
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[Printer-friendly format](#) **3M™ .100 in. Boardmount Socket, 929974-01-36**



[\[click to enlarge\]](#)

.100" 36 contacts, Straight Solder Tails, Board mounting option standard product without kinked tail, One row plating 100μ" [2.54μm] tin lead, Tin Lead plating.

GTIN(UPC/EAN) : 0 00 54007 76121 1
3M Id : 80-6200-8436-0

Additional Information

Learn More . . .

[Packaging](#)
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Characteristics

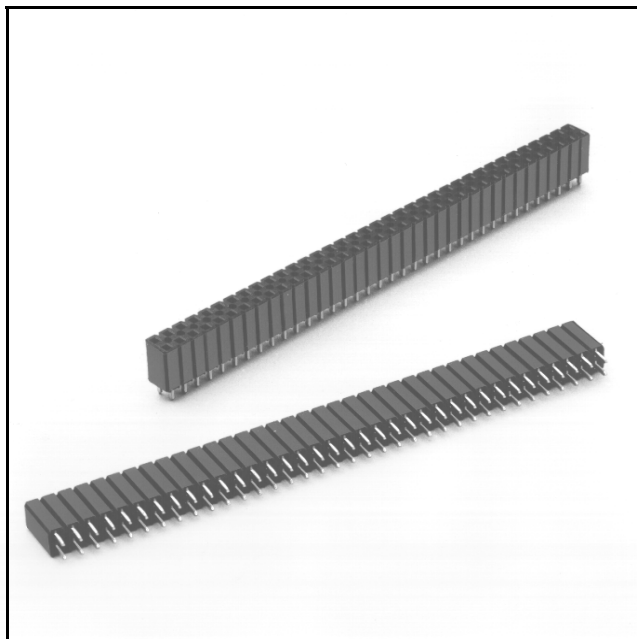
China RoHS - Below MCV	No
Contact Material	Copper Alloy
Contact Termination Area Plating	100 μ" [2.54 μm] 90/10 Tin/Lead
Contact Underplating	100 μ" [2.54 μm] Nickel
Contact Wiping Area Plating	100 μ" [2.54 μm] 90/10 Tin/Lead
Current Rating	1 Ampere
EPC Can View	Public
EU RoHS Compliant	No
Height	.325 Inch
Insulation Color	Black
Insulation Flammability Rating	UL 94V-0
Insulation Material	Glass Filled Polyester (PBT)
Insulation Resistance	>5 X 10 ⁹ Ohms @ 500 Vdc
Interface Grid	.100"
Interface Style	Rectangular Socket
Markings	None
Mounting Option	None
Non-Operating Temperature	-40 to 105 Degree Celsius
Number of Contact Rows	1
Number of Contacts	36
Orientation	Vertical

Pitch	0.100 Inch
Primary Trademark Name	3M
Separable	Yes
Termination Method	Solder Tail
Termination Style	Printed Circuit Board
Withstanding Voltage	1500 Vrms at Sea Level

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 Regulatory Information Index (RIA) for chemical compliance information

Date Modified: October 29, 2007

TS-0815-C
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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: See ordering information options for thickness

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

Marking: None

Electrical

Current Rating: 1 A

Insulation Resistance: $> 5 \times 10^9 \Omega$ at 500 V_{DC}

Withstanding Voltage: 1500 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

3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

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For technical, sales or ordering information call
800-225-5373

3M™ Boardmount Socket

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

929 Series

Section A-A

Optional board retention feature shown

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

Notes:

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

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]

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 = 10µ" [0.25µm] gold with tin-lead tails (RIA E3 & C2 apply)

30 = 30µ" [0.76µm] gold with tin-lead tails (RIA E3 & C2 apply)

RA = 10µ" [0.25µm] gold with matte tin tails (RIA E1 & C1 apply)

RB = 30µ" [0.76µm] gold with matte tin tails (RIA E1 & C1 apply)

Contact Quantity Code:
(see table)

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