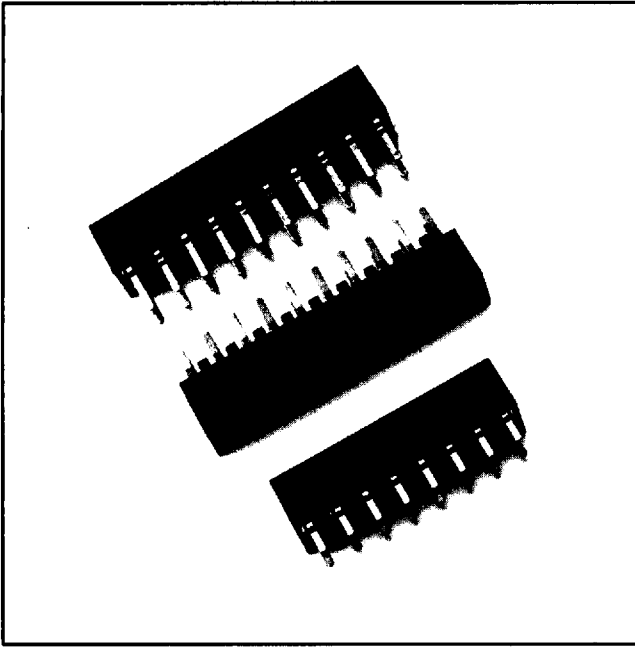


# 2mm × 2mm Boardmount Socket

Straight, Solder Tails

1502 Series



- High temperature dielectric
- IR, vapor and wave solder compatible
- Industry standard compatible
- Minimizes PC board stacking heights
- End stackable feature
- Side stackable feature

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Sheet 1 of 2

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## Physical

### Insulation

Material: Glass Filled PCT  
Flammability: UL 94V-0  
Color: Natural or Black

### Contact

Material: Copper Alloy  
Plating  
Underplate: 50-150  $\mu$ " [ 1.27-3.81  $\mu$ m ] Nickel — QQ-N-290, Class 2  
Wiping Area: Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: 100-300  $\mu$ " [ 2.54-7.62  $\mu$ m ] 90/10 Tin Lead — MIL-P-81728

Marking: Orientation delta and 3M logo

**Note:** The location and thickness of the contact plating is determined by the part number. Refer to ordering information.

## Electrical

Current Rating: 1.5 A  
Insulation Resistance:  $> 5 \times 10^9 \Omega$  at 250 Vdc  
Withstanding Voltage: 500 Vdc at Sea Level

## Environmental

Temperature Rating:  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

UL File No.: E68080

3M Electronic Products Division 19F 9035312 0004236 634

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

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

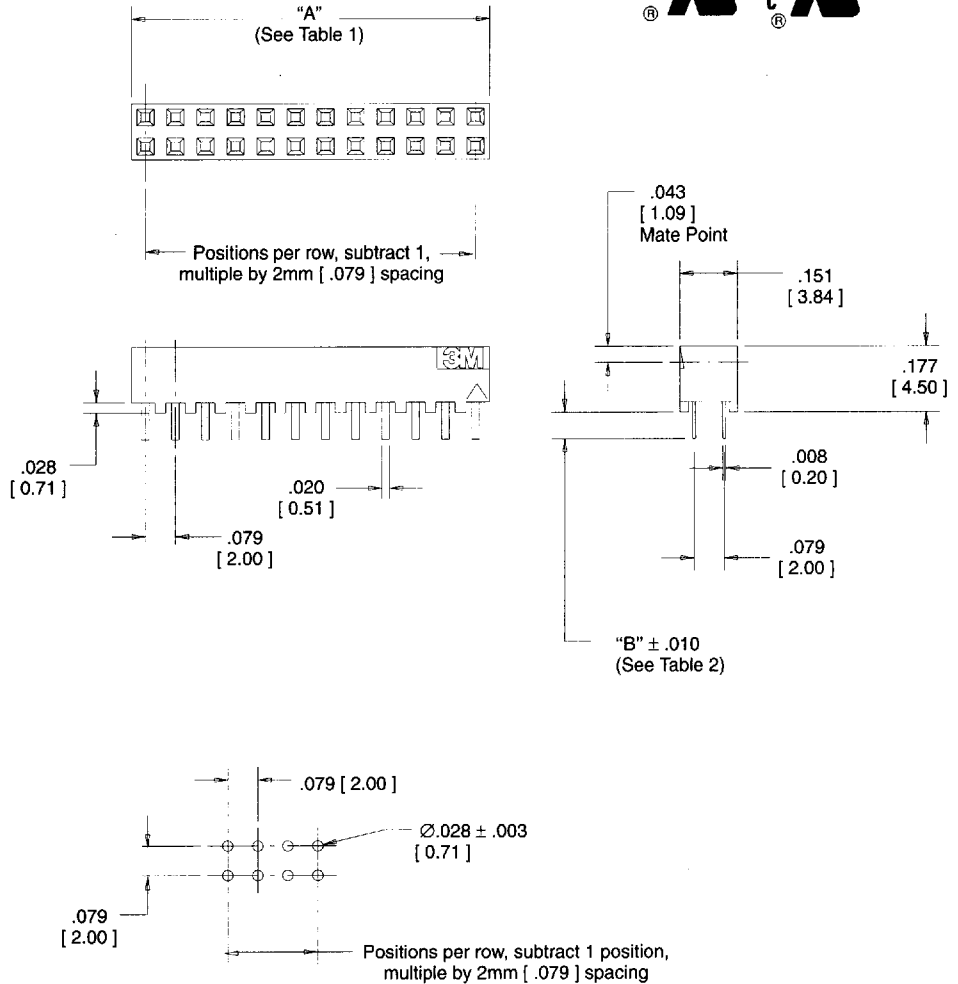
# 2mm × 2mm Boardmount Socket

## Straight, Solder Tails

1502 Series

Contact Quantity	Dimension A
04	0.156 [ 4 mm ]
06	0.231 [ 6 mm ]
08	0.310 [ 8 mm ]
10	0.389 [ 10 mm ]
12	0.467 [ 12 mm ]
14	0.546 [ 14 mm ]
16	0.625 [ 16 mm ]
18	0.704 [ 18 mm ]
20	0.782 [ 20 mm ]
22	0.861 [ 22 mm ]
24	0.940 [ 24 mm ]
26	1.019 [ 26 mm ]
28	1.097 [ 28 mm ]
30	1.176 [ 30 mm ]
32	1.255 [ 32 mm ]
34	1.334 [ 34 mm ]
36	1.412 [ 36 mm ]
38	1.491 [ 38 mm ]
40	1.570 [ 40 mm ]
42	1.649 [ 42 mm ]
44	1.727 [ 44 mm ]
46	1.806 [ 46 mm ]
48	1.885 [ 48 mm ]
50	1.964 [ 50 mm ]
52	2.042 [ 52 mm ]
54	2.121 [ 54 mm ]
56	2.200 [ 56 mm ]
58	2.278 [ 58 mm ]
60	2.357 [ 60 mm ]

Option	Dimension B
1	0.055 [ 1.40 ]
2	0.100 [ 2.54 ]



### Recommended Hole Pattern

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

[ ] Dimensions for Reference only

## Ordering Information

### X1502XX-600XXX

Packaging  
V = Bulk  
Blank = Standard

Number of Positions  
(See Table 1)  
(Even No.: 4 - 60)

Solder Tail Length  
(See Table 2)  
1 = .055" (1.4mm)  
2 = .100" (2.54mm)

Plating  
TB = 30 μ" [ 0.76 μm ] Gold  
TH = 15 μ" [ 0.38 μm ] Gold

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Sheet 2 of 2