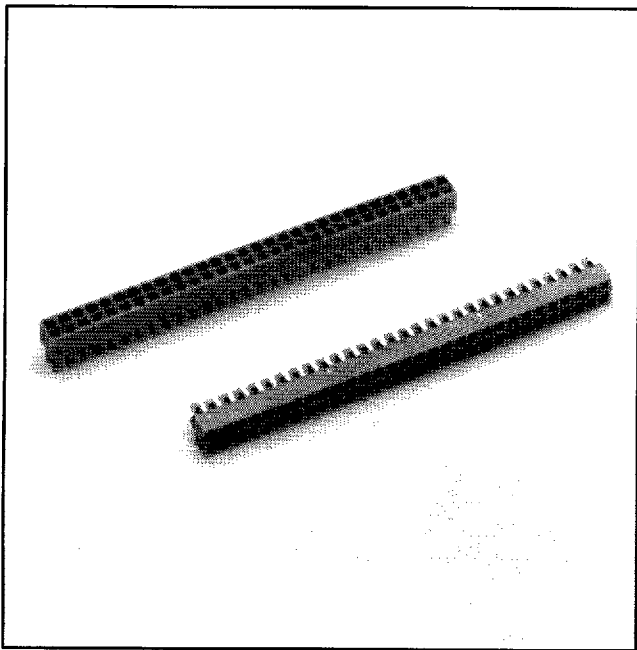


# 2mm Thru Board Socket

Thru Hole

153 Series



- High temperature dielectric
- IR and wave solder compatible
- Maximizes use of PC board space
- Integral solder mask plug
- Minimizes PC board stacking heights
- End stackable feature
- Side stackable feature

TS-0522-06  
Sheet 1 of 2

## Physical

### Insulation

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

### Contact

Material: Beryllium Copper  
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

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:  $-67^\circ\text{F}$  to  $+221^\circ\text{F}$  ( $-55^\circ\text{C}$  to  $+105^\circ\text{C}$ )

UL File No.: E68080  
CSA File No.: LR 89866

### 3M Electronic Products Division

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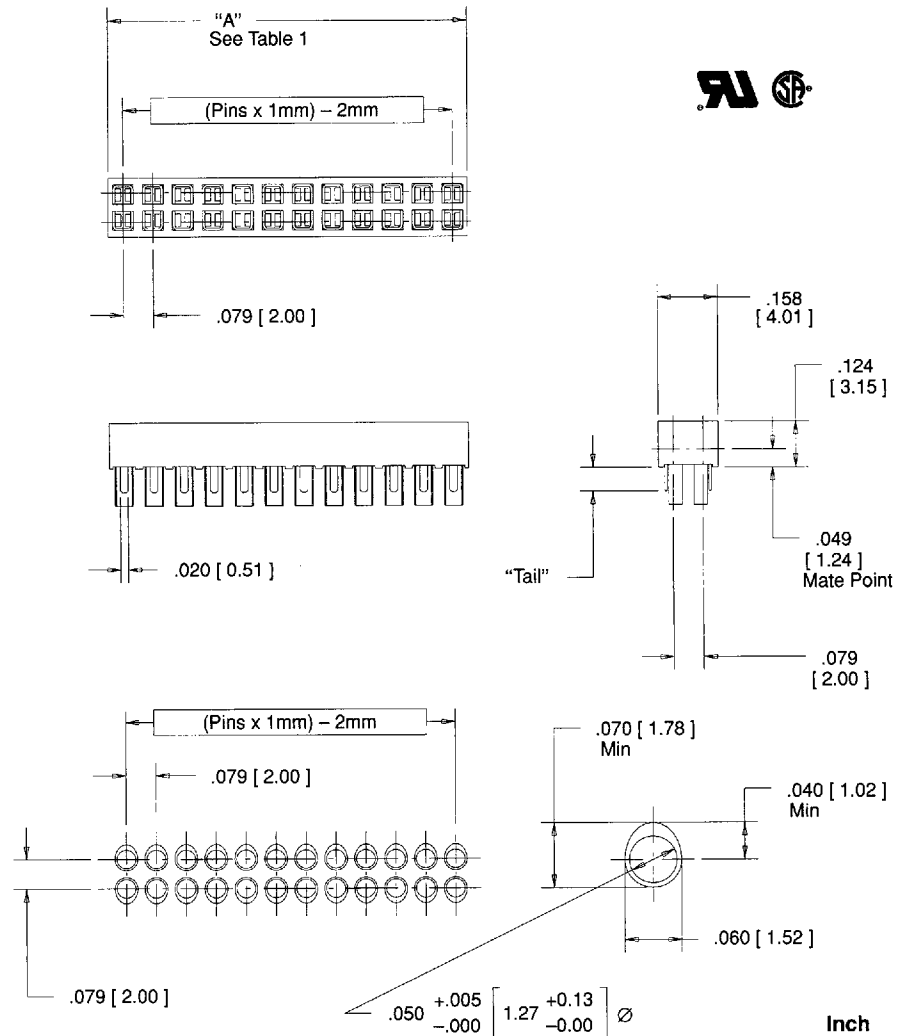
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Sheet 2 of 2

Contact Qty	Dim "A" + .000 - .010
4	.156 [ 4 mm ]
6	.231 [ 6mm ]
8	.310 [ 8mm ]
10	.389 [ 10mm ]
12	.467 [ 12mm ]
14	.546 [ 14mm ]
16	.625 [ 16mm ]
18	.704 [ 18mm ]
20	.782 [ 20mm ]
22	.861 [ 22mm ]
24	.940 [ 24mm ]
26	1.019 [ 26mm ]
28	1.097 [ 28mm ]
30	1.176 [ 30mm ]
32	1.255 [ 32mm ]
34	1.334 [ 34mm ]
36	1.412 [ 36mm ]
38	1.491 [ 38mm ]
40	1.570 [ 40mm ]
42	1.649 [ 42mm ]
44	1.727 [ 44mm ]
46	1.806 [ 46mm ]
48	1.885 [ 48mm ]
50	1.964 [ 50mm ]
52	2.042 [ 52mm ]
54	2.121 [ 54mm ]
56	2.200 [ 56mm ]
58	2.278 [ 58mm ]
60	2.357 [ 60mm ]



### Recommended Mounting Hole Pattern

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

[ ] Dimensions for Reference Only

**Note:**

- See Tech Brief #80-6106-0770-9 for 6000 style pc board processing requirements.

### Ordering Information

**X1532XX-600X-XX**

**Packaging**  
V = Bulk  
Blank = Standard

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

**Solder Tail Length**  
1 = .040" Thick Board  
2 = .062" Thick Board

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

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