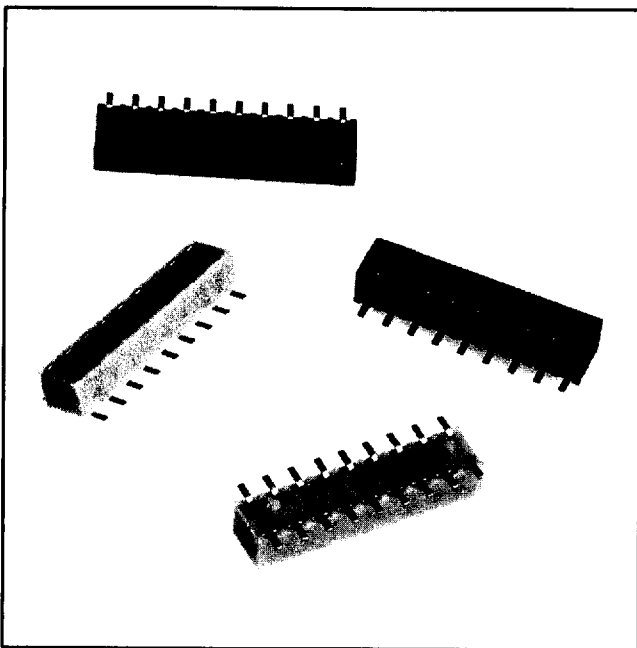


# 2mm × 2mm Thru Board Socket

Surface Mount

1532 Series



- High temperature dielectric
- IR solder compatible
- Maximizes use of PC board space
- Minimizes PC board stacking heights
- End stackable feature

TS-0521-12  
Sheet 1 of 2

18

## 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

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

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

44

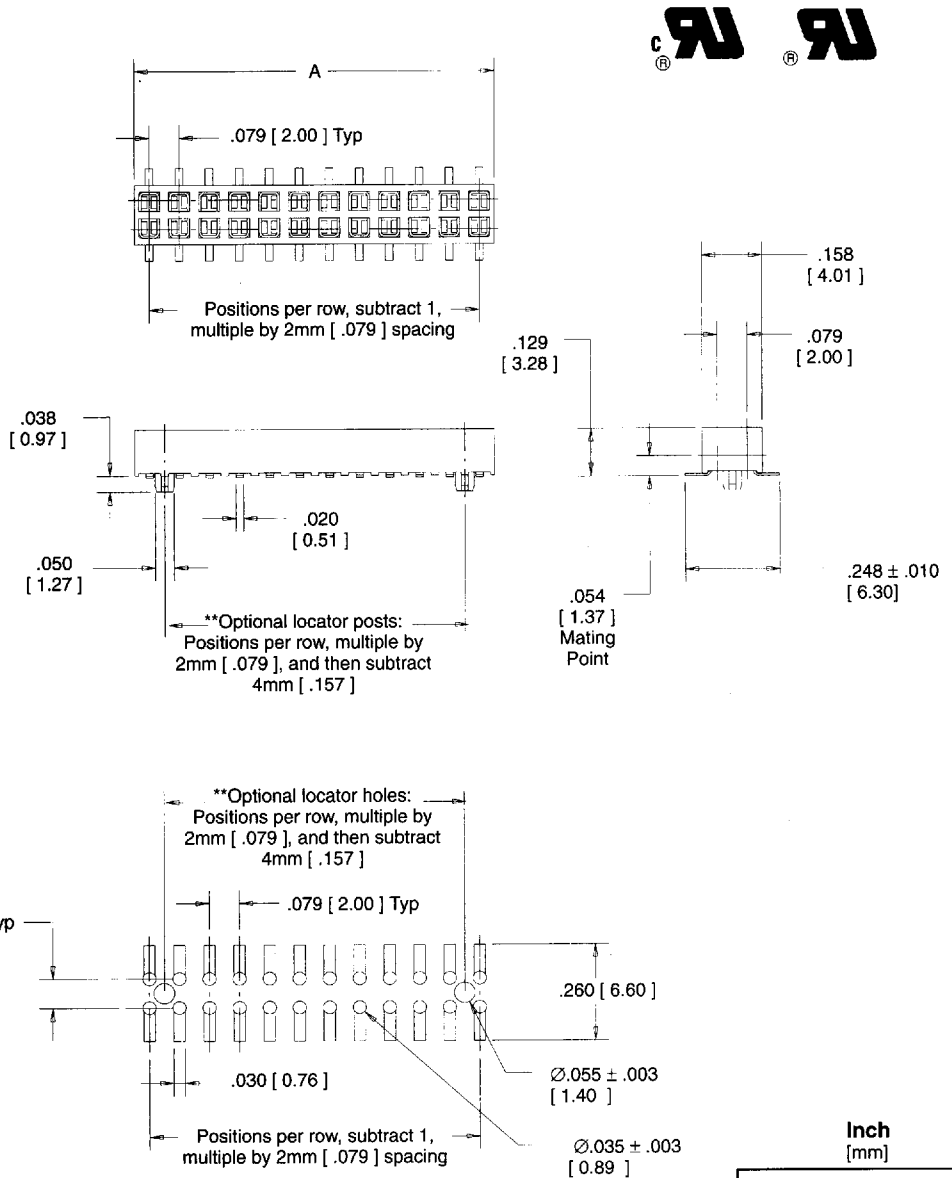
For technical, sales or ordering information call  
800-225-5373

D 19F ■ 9035312 0004242 938 ■

# 2mm × 2mm Thru Board Socket Surface Mount

1532 Series

Contact Quantity	Dimension A <sup>+0.00</sup> <sub>-.010</sub>
04	0.161 [ 4 mm ]
06	0.236 [ 6 mm ]
08	0.315 [ 8 mm ]
10	0.394 [ 10 mm ]
12	0.472 [ 12 mm ]
14	0.551 [ 14 mm ]
16	0.630 [ 16 mm ]
18	0.709 [ 18 mm ]
20	0.787 [ 20 mm ]
22	0.866 [ 22 mm ]
24	0.945 [ 24 mm ]
26	1.024 [ 26 mm ]
28	1.102 [ 28 mm ]
30	1.181 [ 30 mm ]
32	1.260 [ 32 mm ]
34	1.339 [ 34 mm ]
36	1.417 [ 36 mm ]
38	1.496 [ 38 mm ]
40	1.575 [ 40 mm ]
42	1.654 [ 42 mm ]
44	1.732 [ 44 mm ]
46	1.811 [ 46 mm ]
48	1.890 [ 48 mm ]
50	1.969 [ 50 mm ]
52	2.047 [ 52 mm ]
54	2.126 [ 54 mm ]
56	2.205 [ 56 mm ]
58	2.283 [ 58 mm ]
60	2.362 [ 60 mm ]



\*\*Optional Locator Posts. available for positions eight and greater.

## Ordering Information

**X1532XX-20X0XX**

**Packaging**  
V = Bulk  
W = Tape & Reel  
(See TS-0607)  
Blank = Standard

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

**Board Location Post**  
0 = None  
2 = With Board  
Location Post

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

TS-0521-12  
Sheet 2 of 2