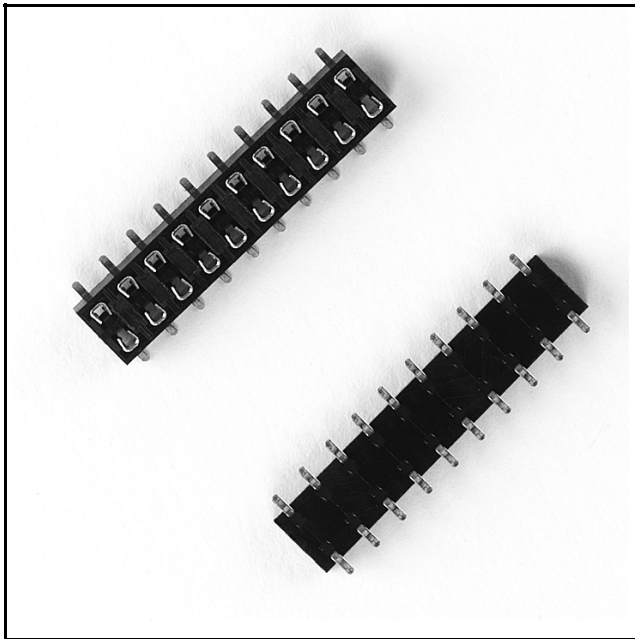


# 3M™ Thru-Board Socket

2 mm x 2 mm Ultra Low Profile, Surface Mount

1562 Series



- Ultra low profile
- Board location posts
- Reflow solder compatible
- End to end stackable
- RoHS\* compliant

Date Modified: September 09, 2005

TS-0659-07  
Sheet 1 of 2

## Physical

### Insulator

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Copper Alloy

### Plating:

Underplating: 40-80 μm [1.02-2.02 μm] Nickel

Wiping Area: 30 μm [0.76 μm] Gold

Solder Tails: 300 μm [7.6 μm] Matte Tin

Terminal Finish Indicator: e5 (ref J-ESD97)

Marking: 3M Logo

## Electrical

Current Rating: 1 A

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 250 VDC

Withstanding Voltage: 500 Vrms at Sea Level

## Environmental

Temperature Rating: -55°C to +105°C

Process Rating: Maximum 260°C, (per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

\* RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment  
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for each of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Lead, mercury, cadmium, or hexavalent chromium may be present in the product or part in an exempt application as listed in the Annex to the RoHS Directive.

UL File No.: E68080

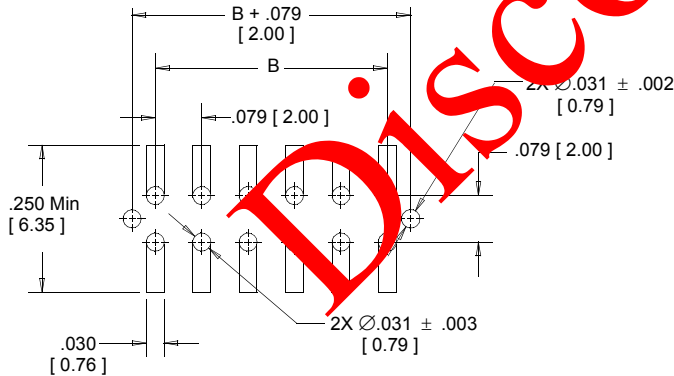
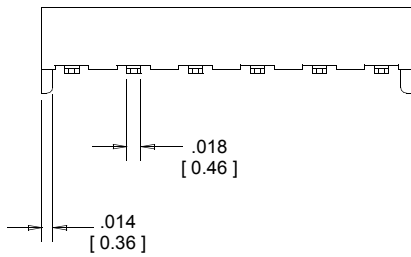
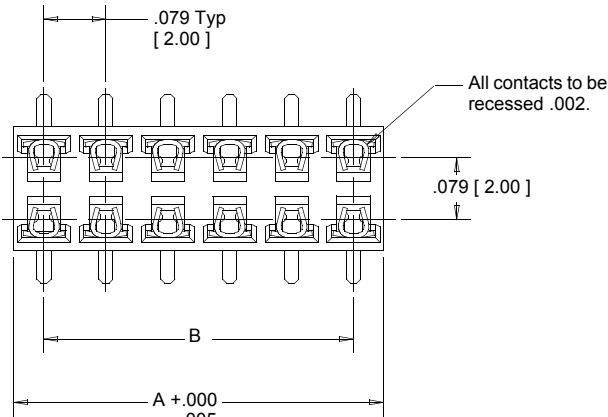
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2 mm x 2 mm Ultra Low Profile, Surface Mount

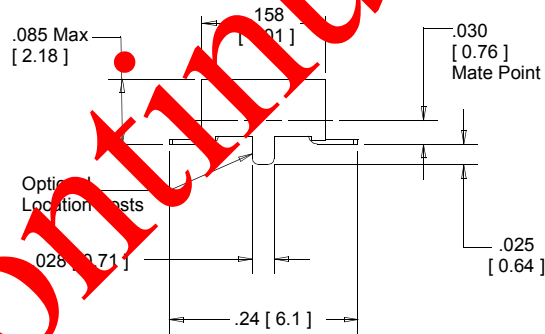
1562 Series



Contact Quantity	Dimensions		tape & reel packaging suffix
	A	B	
04	.157 [ 4.00 ]	.079 [ 2.00 ]	n/a
06	.236 [ 6.00 ]	.157 [ 4.00 ]	
08	.315 [ 8.00 ]	.236 [ 6.00 ]	WB
10	.394 [ 10.00 ]	.315 [ 8.00 ]	
12	.472 [ 12.00 ]	.394 [ 10.00 ]	
14	.551 [ 14.00 ]	.472 [ 12.00 ]	
16	.630 [ 16.00 ]	.551 [ 14.00 ]	WC
18	.709 [ 18.00 ]	.630 [ 16.00 ]	
20	.787 [ 20.00 ]	.709 [ 18.00 ]	WD
22	.866 [ 22.00 ]	.787 [ 20.00 ]	
24	.945 [ 24.00 ]	.866 [ 22.00 ]	
26	1.024 [ 26.00 ]	.945 [ 24.00 ]	
28	1.102 [ 28.00 ]	1.024 [ 26.00 ]	
30	1.181 [ 30.00 ]	1.102 [ 28.00 ]	



Recommended Solder Pad Layout



Inch  
[mm]

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

[ ] Dimensions for Reference Only

## Ordering Information

**1562XX-20X0-RB-XX**

Blank = tray packaging  
WX = tape & reel pkg (see table)

Number of Positions:  
(See table 1)  
Even Number: 4-30

Board Location Post:  
0 = None  
2 = with Board Location Post

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Sheet 2 of 2

## Important Notice

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Minimum 10%  
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