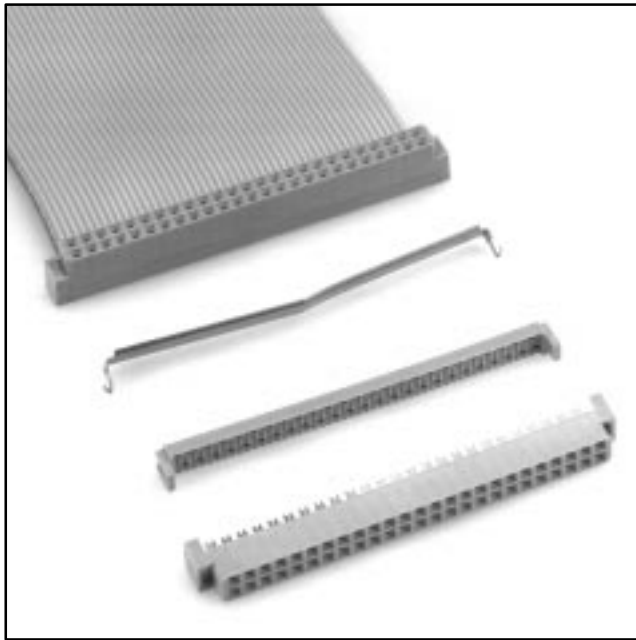


# 2mm × 2mm Wiremount Socket

1mm Pitch Cable

1522 Series



- Industry standard compatible
- Mates with 2mm × 2mm grid pin strips
- Low profile
- Preassembled covers
- Available with or without strain relief
- Available with optional centerbump polarity feature

Date Modified: August 4, 1999

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Sheet 1 of 3

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## Physical

### Insulation

Material: Glass Filled Polyester (PBT)  
Flammability: UL 94V-0  
Color: Gray

### Contact

Material: Copper Alloy  
Plating  
Underplate & U-Slot: 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  
Marking: Orientation delta and 3M logo

Wire Accommodation: 28 AWG Stranded

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

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## Electrical

Current Rating: 1 A  
Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 Vdc  
Withstanding Voltage: 1000 Vrms at Sea Level

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## Environmental

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

UL File No.: E68080

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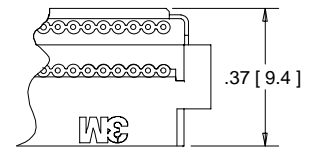
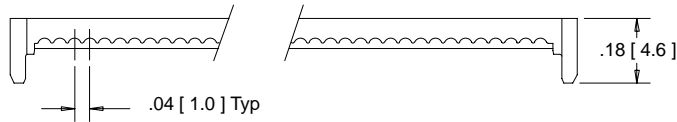
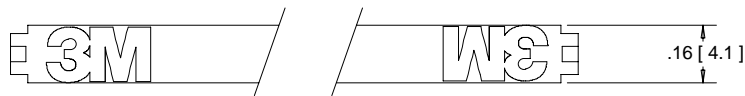
6801 River Place Blvd.  
Austin, TX 78726-9000

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

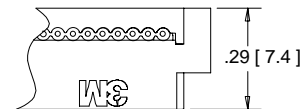
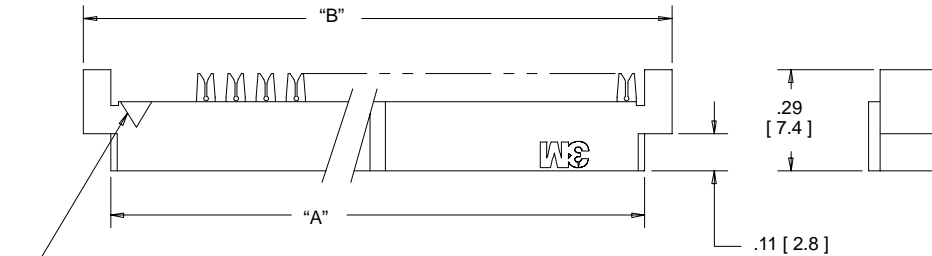
# 2mm × 2mm Wiremount Socket

1mm Pitch Cable

1522 Series



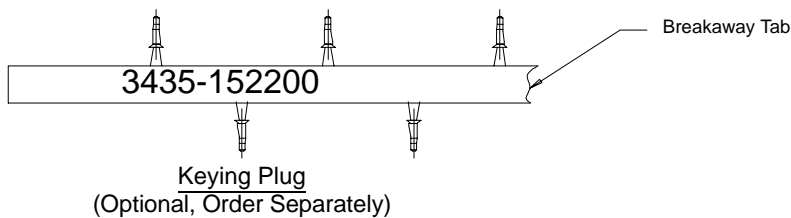
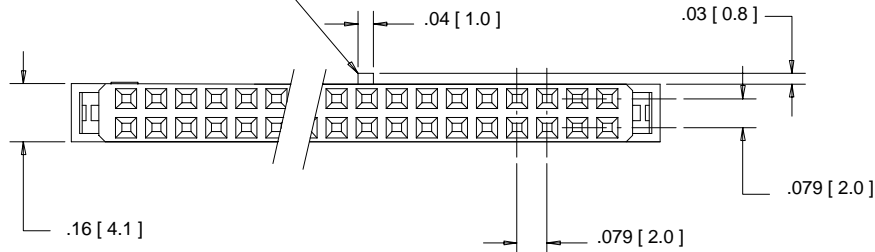
**Assembled Height  
with Strain Relief**



**Assembled Height  
without Strain Relief**

Delta Indicates  
Position No. 1

Optional Center Bump  
Polarity Feature



**Inch  
[mm]**

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

[ ] Dimensions for  
Reference only

## Ordering Information

### Socket 1522XX-0XXXXX

Contact Quantity  
(See Table 1)

- 0 = Preassembled Closed Cover, on even row side
- 1 = Preassembled Open Cover
- 2 = Preassembled Closed Cover, on odd row side

- 0 = No Polarization
- 1 = Center Bump

Plating  
GB = 30 μ" [ 0.76 μm ] Avg Gold  
GG = 15 μ" [ 0.38 μm ] Avg Gold

- 0 = No Strain Relief
- 3 = With Strain Relief

### Strain Relief 3448-1522XX

Contact Quantity  
(See Table 1)

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Sheet 2 of 3

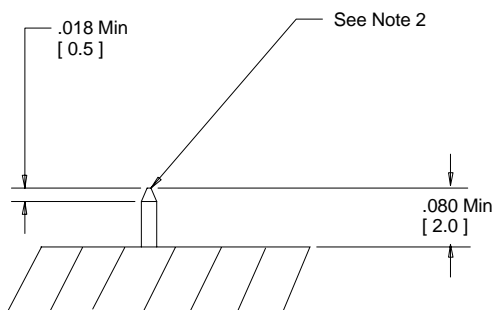
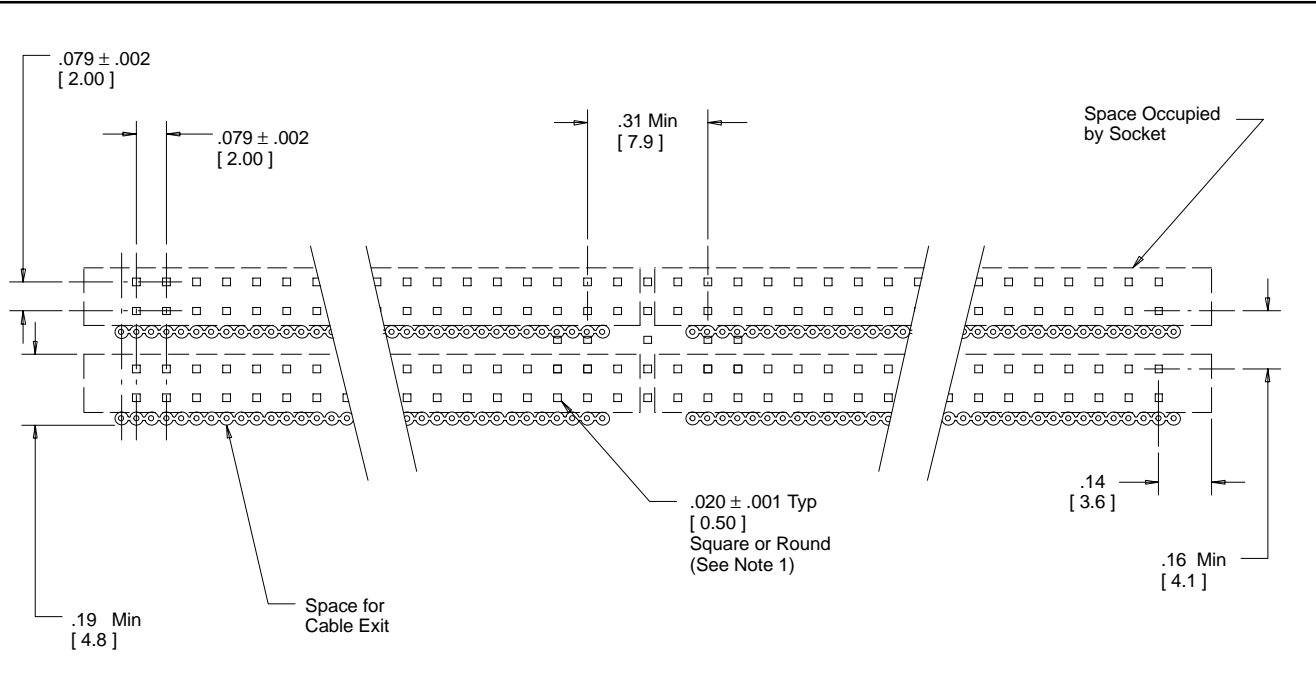
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# 2mm × 2mm Wiremount Socket 1mm Pitch Cable

1522 Series



Mating Pin Detail

Contact Quantity	Dimensions	
	A	B
10	.45 [11.4]	.59 [15.0]
12	.53 [13.4]	.67 [17.0]
20	.84 [21.3]	.99 [25.1]
26	1.08 [27.4]	1.22 [31.0]
40	1.63 [41.4]	1.77 [45.0]
44	1.79 [45.5]	1.93 [49.0]
50	2.03 [51.3]	2.17 [55.0]

Inch  
[mm]

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

[ ] Dimensions for Reference only

Notes:

1. Measured at tip.
2. Tapered pin tip configuration recommended.

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Sheet 3 of 3

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