

# 3M™ Pak 20 Wiremount Socket, 1522 Series

2 mm × 2 mm for 1 mm Pitch Cable



- Mates with 1552 Series Latch Eject Header and Pak 20 (2 mm x 2 mm) grid pin strips
- Low profile
- Preassembled covers
- Available with or without strain relief
- Available with optional centerbump polarity feature
- Visit [3M.com/regs](http://3M.com/regs) or contact your 3M representative to find the RoHS compliance status of the 3M part you are interested in.

Date Modified: February 16, 2017

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## Physical

### Insulation:

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

### Contact:

Material: Copper Alloy

### Plating:

Underplating and U-Slot: 50 -150 μ" [ 1.27-3.81 μm ] Nickel - QQ-N-290, Class 2

Wiping Area: Gold, ASTM B488-01, Class C

Wire Accommodation: 28 AWG Stranded

**Marking:** 3M Logo, Part Identification Number and Orientation Triangle

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

## Electrical

**Current Rating:** 4.75 A, 1 Line Powered

2.00 A, 6 Adjacent Lines Powered

1.25 A, All Lines Powered

Rating Conditions: EIA-364-070 Method 2, 30°C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed current derating curves.

**Insulation Resistance:**  $> 1 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

**Withstanding Voltage:** 500 V<sub>RMS</sub> at Sea Level

## Environmental

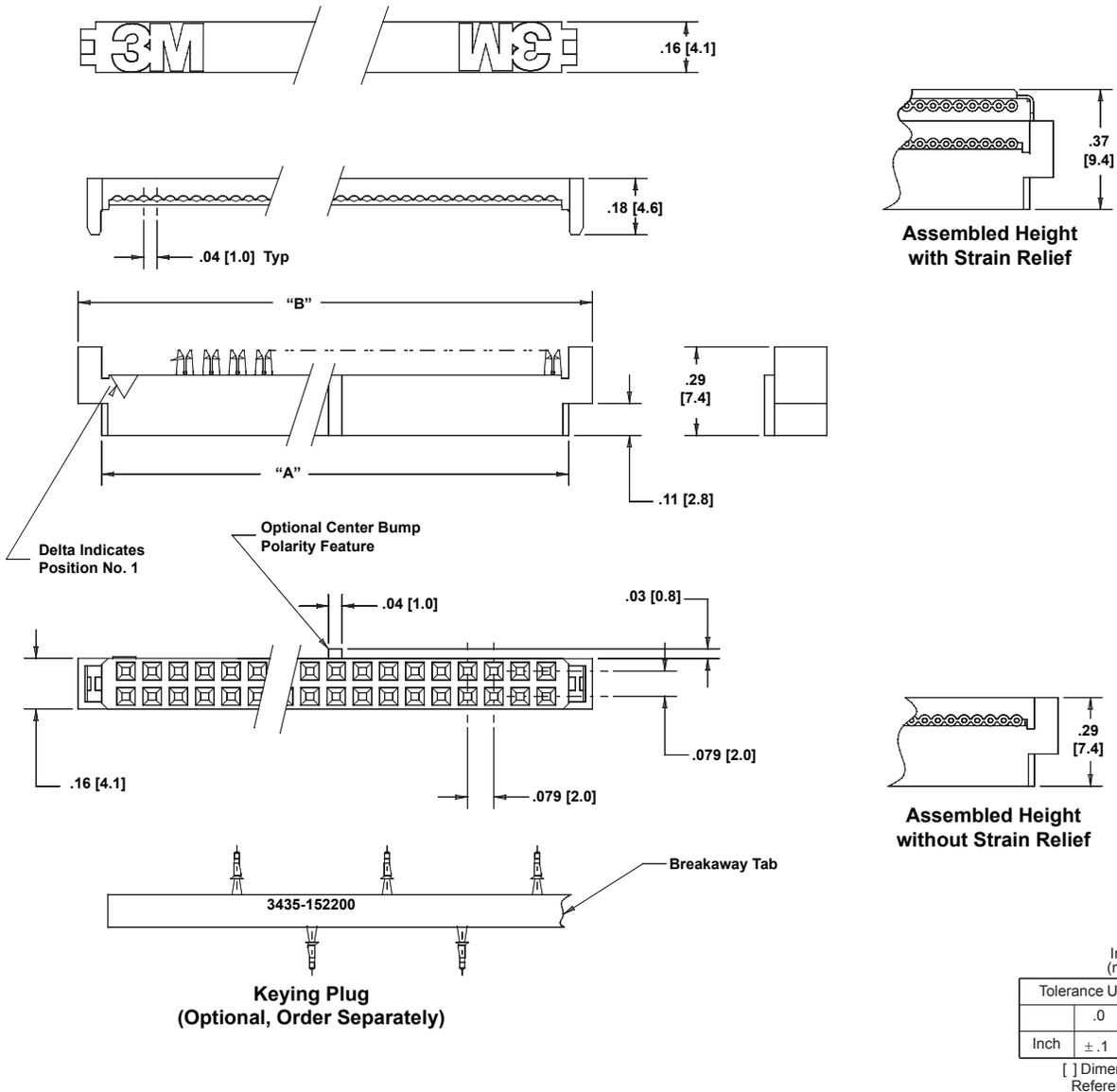
**Temperature Rating:** -55°C to +105°C

UL File No.: E68080

RoHS = Directive 2002/95/EC,  
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

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## Ordering Information

**Socket**  
**1522XX - 01XXGB** RIA (E1 & C1 Apply)

Contact Quantity: \_\_\_\_\_  
 (See Table 1)

1 = Preassembled Open Cover

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

0 = No Strain Relief  
 3 = With Strain Relief

0 = No Polarization  
 1 = Center Bump

## Strain Relief 3448-1522XX

Contact Quantity  
 (See Table 1)

## Gold Keying Plug

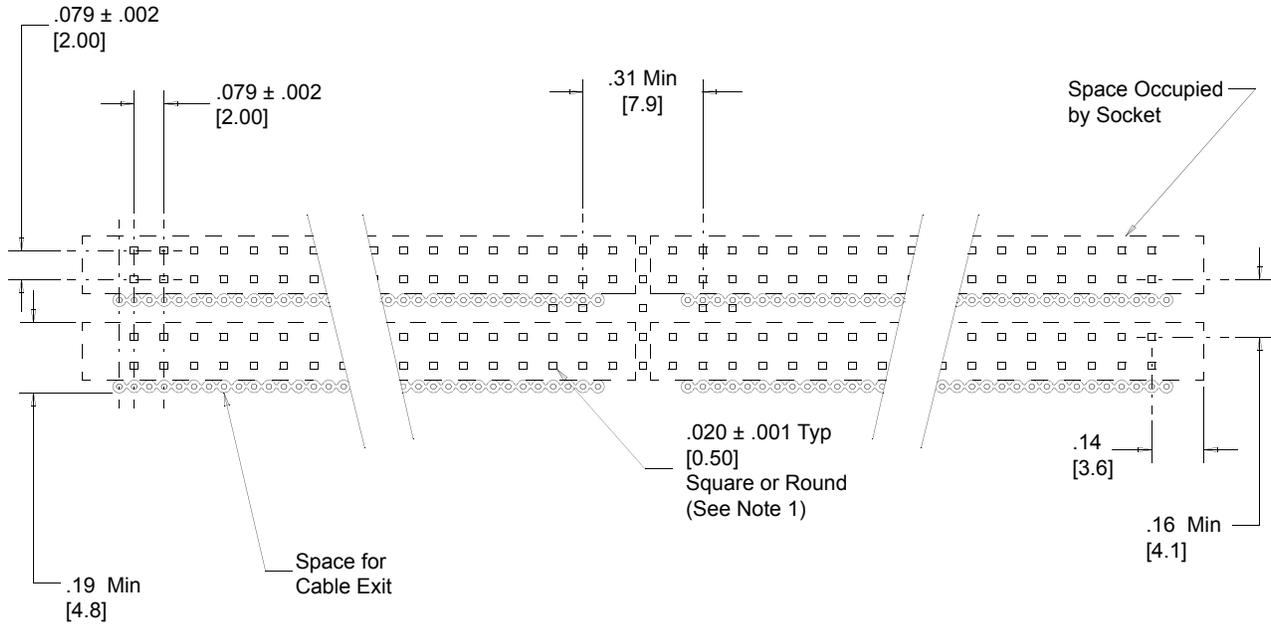
3435-152200  
 Order Separately

Application Tools: 3640 press (or equivalent), 3443-118 locator plate, 3442-9 platen

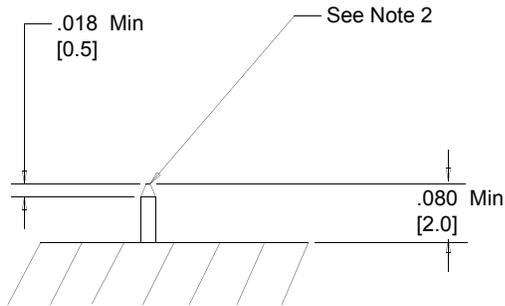
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# 3M™ Pak 20 Wiremount Socket, 1522 Series

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| Table 1          |               |               |
|------------------|---------------|---------------|
| 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 ] |



**Mating Pin Detail**

| 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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Regulatory: For regulatory information about this product, contact your 3M representative.

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