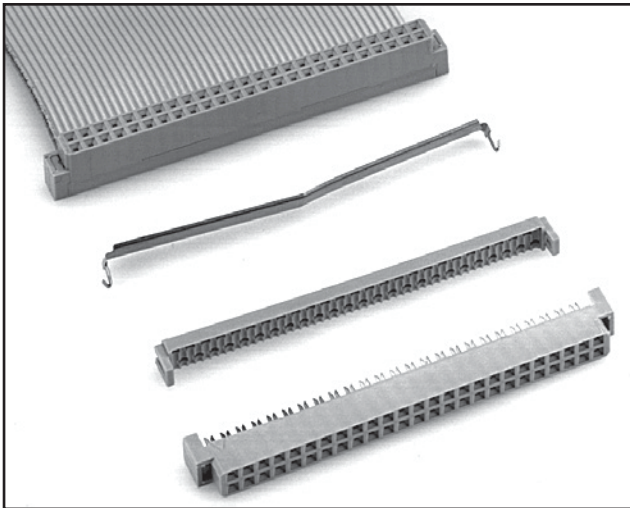


# 3M™ Pak 20 Wiremount Socket, 1522 Series

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

TS-0523-F  
Sheet 1 of 4

## 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

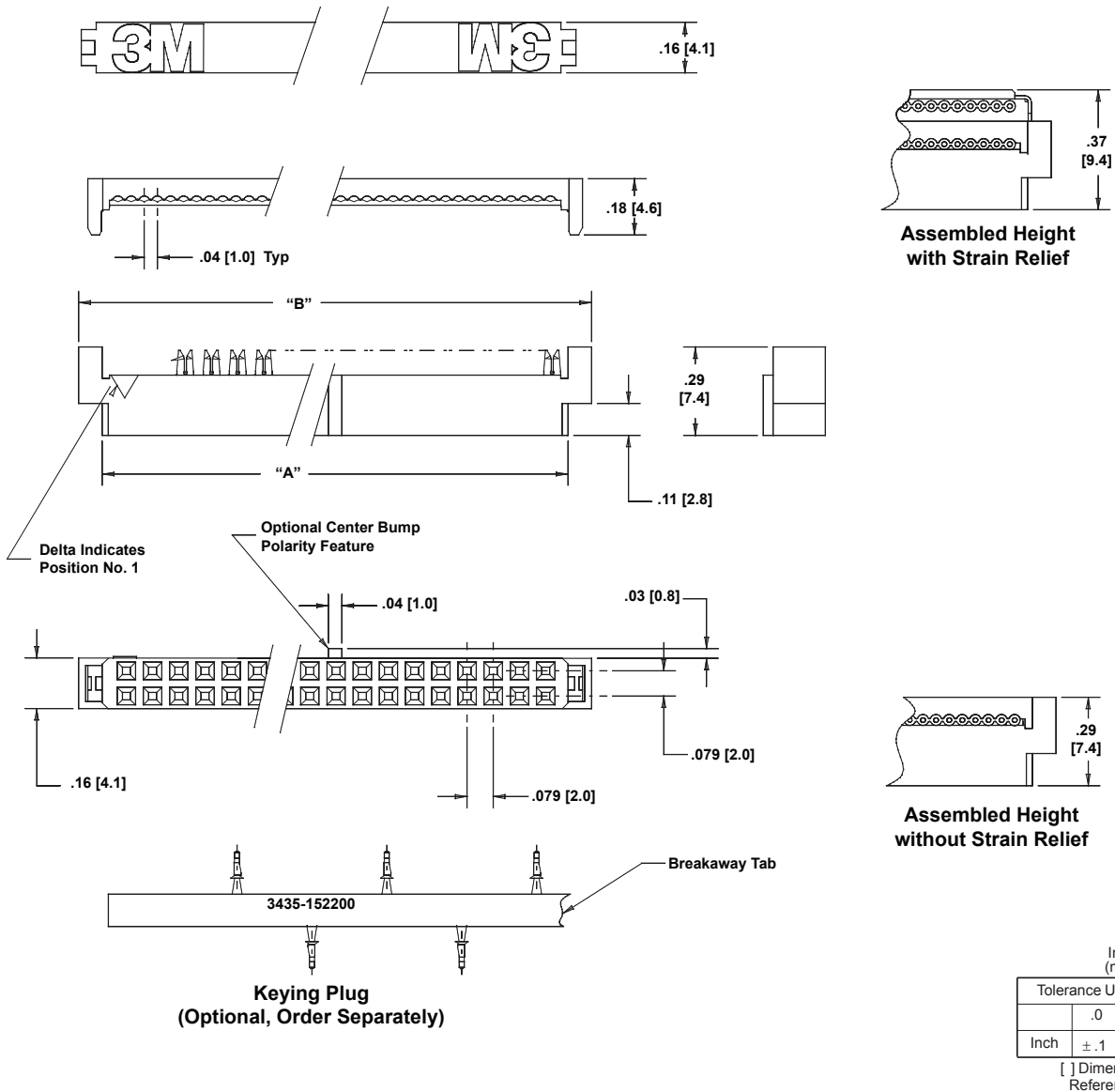
**Temperature Rating:** -55°C to +105°C

UL File No.: E68080

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

# 3M™ Pak 20 Wiremount Socket, 1522 Series

2 mm × 2 mm for 1 mm Pitch Cable



## 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 Polarization  
 1 = Center Bump

0 = No Strain Relief  
 3 = With Strain Relief

## Strain Relief

**3448-1522XX**

Contact Quantity  
 (See Table 1)

## Gold Keying Plug

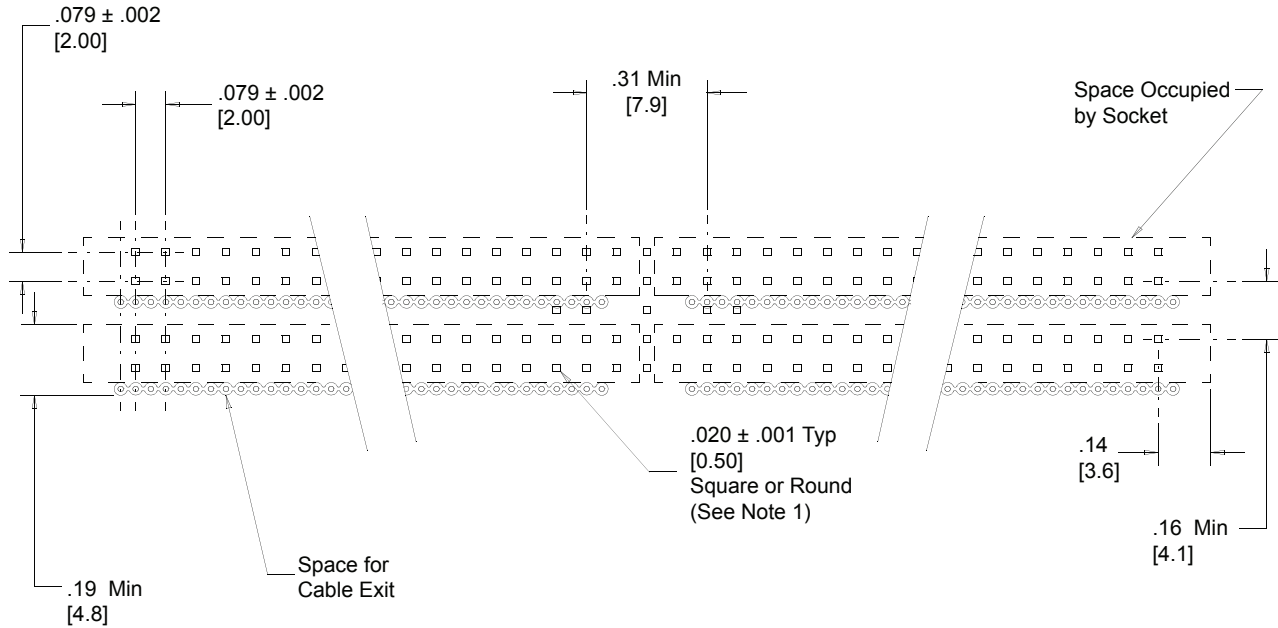
3435-152200  
 Order Separately

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

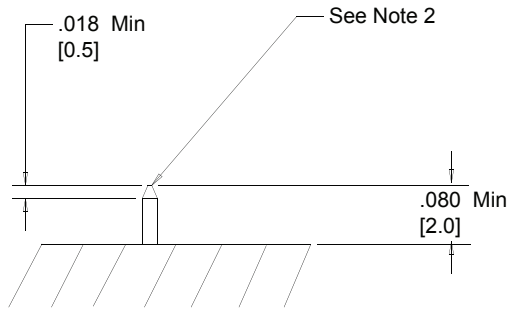
TS-0523-F  
 Sheet 2 of 4

# 3M™ Pak 20 Wiremount Socket, 1522 Series

2 mm × 2 mm for 1 mm Pitch Cable



| 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.

TS-0523-F  
Sheet 3 of 4

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

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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