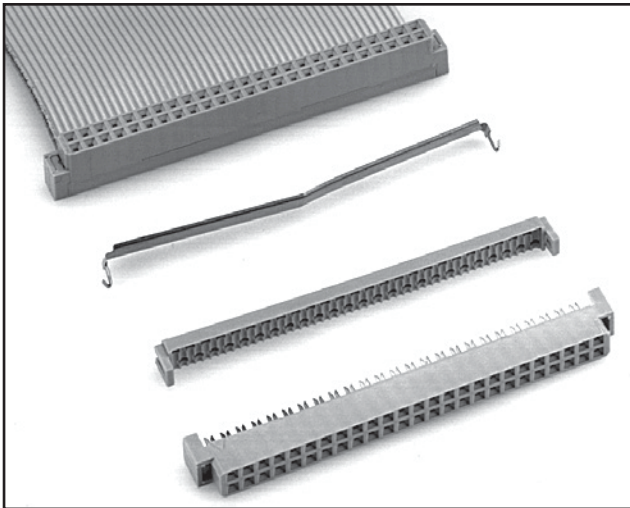


3M™ Pak 20 Wiremount Socket, 1522 Series

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 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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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_{DC}

Withstanding Voltage: 500 V_{RMS} at Sea Level

Environmental

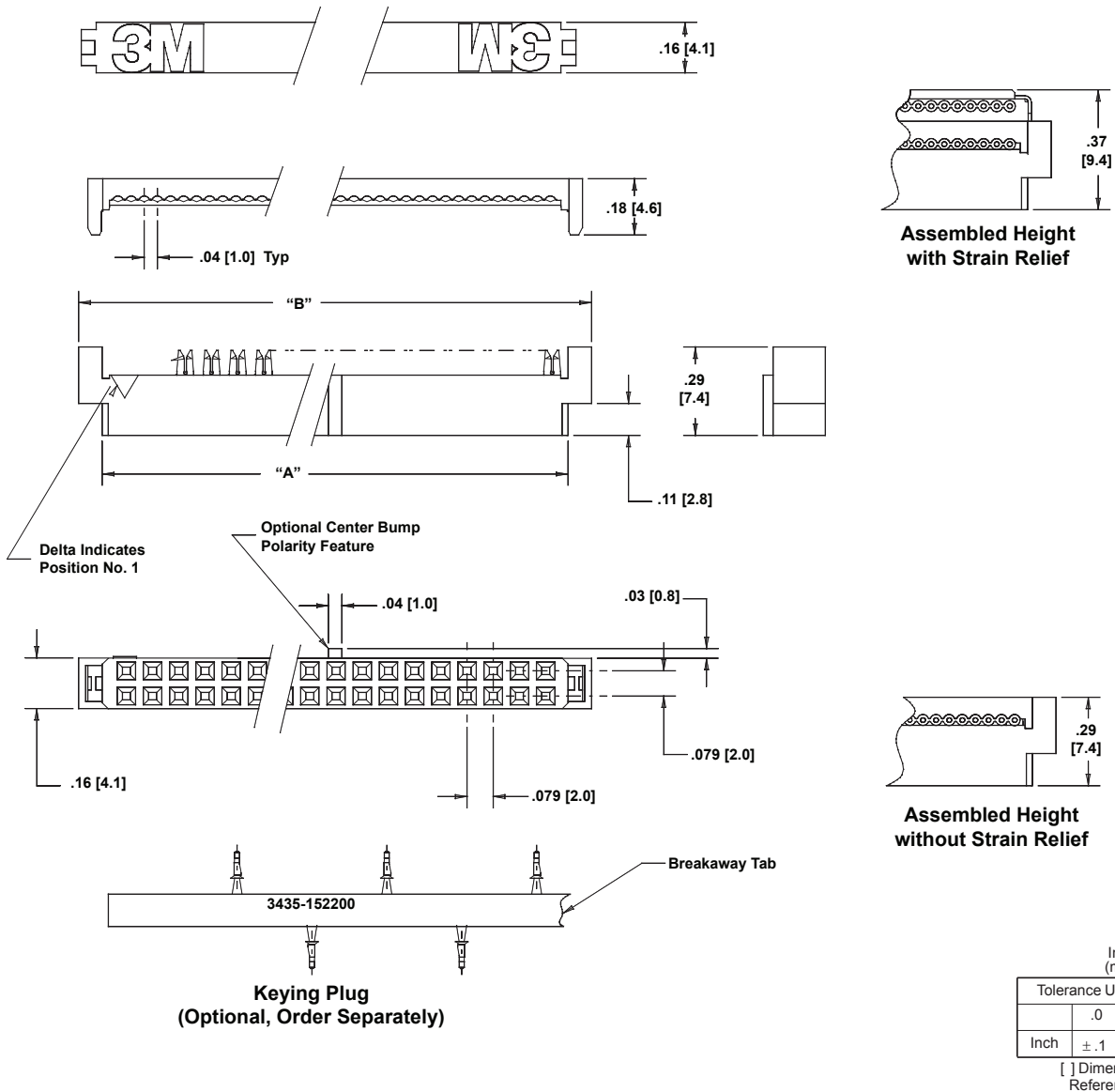
Temperature Rating: -55°C to +105°C

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

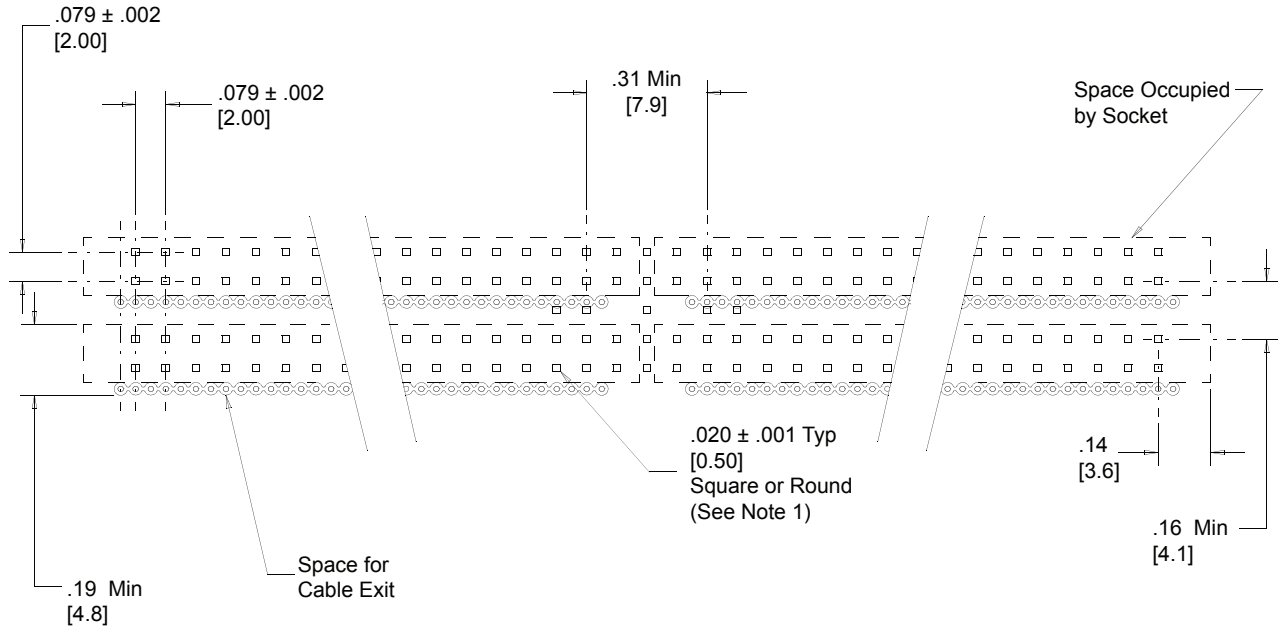
3435-152200
 Order Separately

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

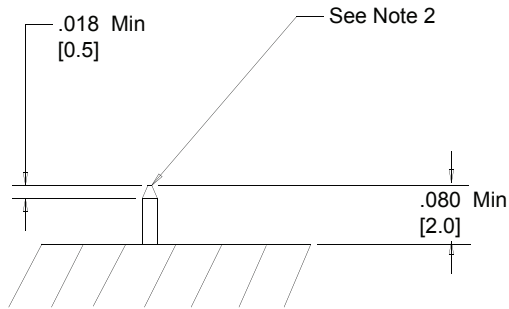
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3M™ Pak 20 Wiremount Socket, 1522 Series

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.

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Sheet 3 of 4

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

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