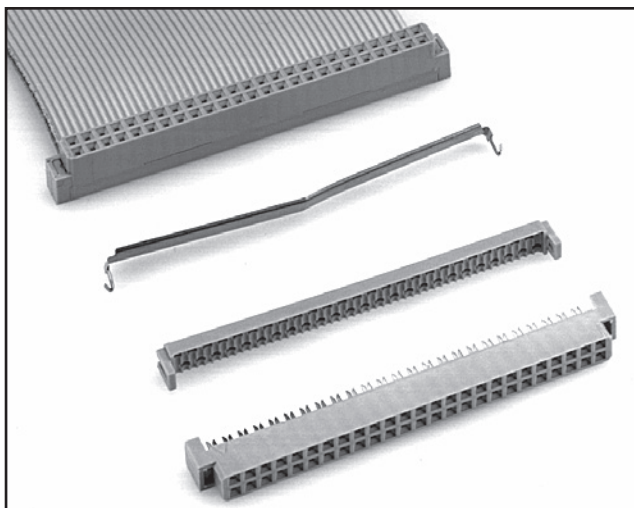


3M™ Pak 20 Wiremount Socket

2 mm × 2 mm for 1 mm Pitch Cable

1522 Series



- Industry standard compatible
- Mates with 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
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: July 19, 2012

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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_{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



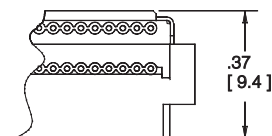
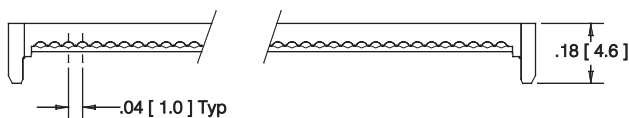
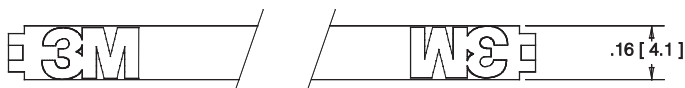
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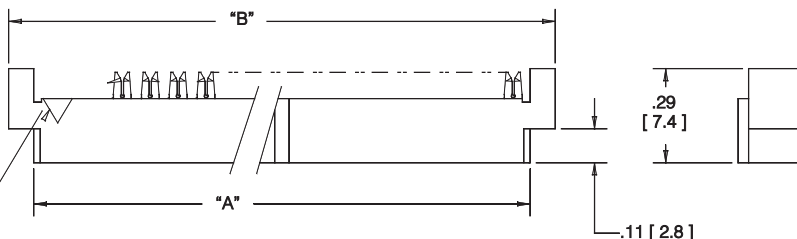
3M™ Pak 20 Wiremount Socket

2 mm × 2 mm for 1 mm Pitch Cable

1522 Series

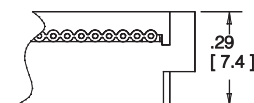
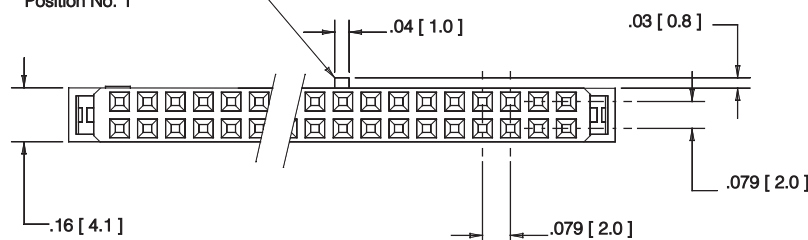


**Assembled Height
with Strain Relief**

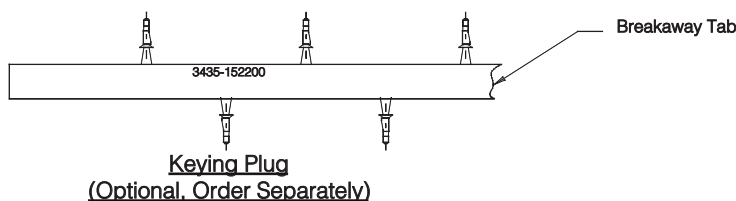


Delta Indicates
Position No. 1

Optional Center Bump
Polarity Feature



**Assembled Height
without Strain Relief**



**Keying Plug
(Optional. Order Separately)**

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

[] Dimensions for
Reference only

Ordering Information

Socket
1522XX - 0XXXXX RIA (E1 & C1 Apply)

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)

**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

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1522 Series

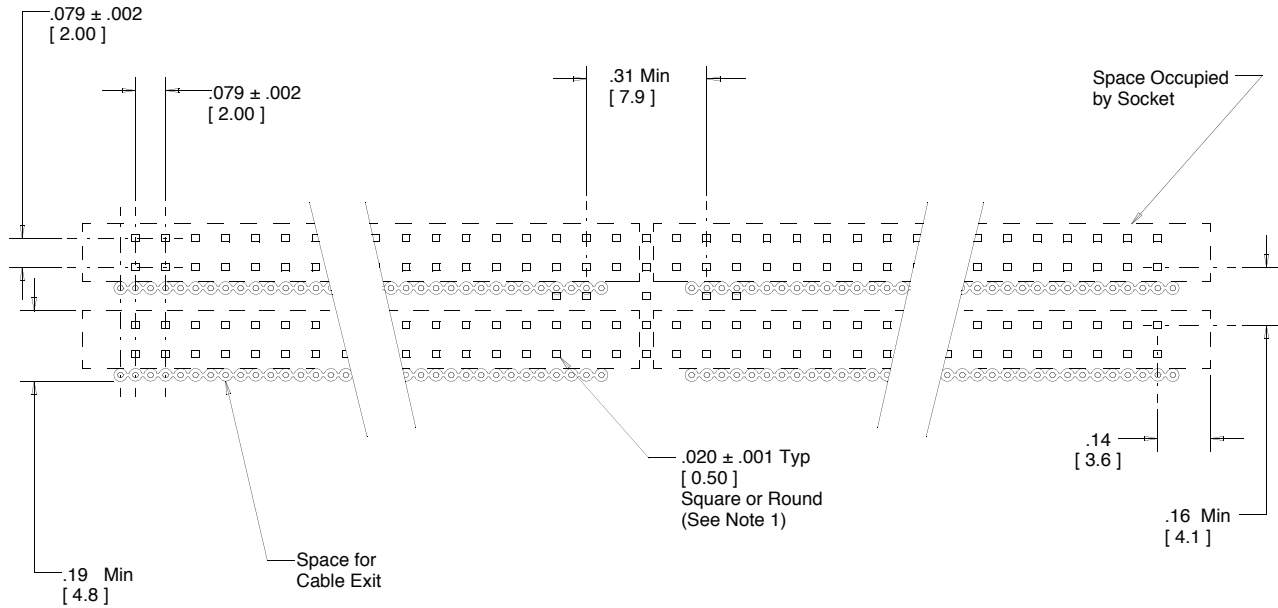
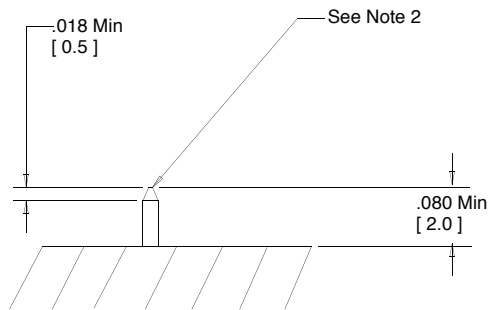


Table 1		
Contact Quantity	Dimensions	
	A	B
10	.45 [11.4]	.59 [15.0]
12	.53 [13.4]	.67 [17.0]
20	.84 [21.3]	.99 [25.1]
26	1.08 [27.4]	1.22 [31.0]
40	1.63 [41.4]	1.77 [45.0]
44	1.79 [45.5]	1.93 [49.0]
50	2.03 [51.3]	2.17 [55.0]



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 3



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