3M™ Pak 20 Wiremount Socket

 $2 \text{ mm} \times 2 \text{ mm}$ 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

Date Modified: January 27, 2005

TS-0523-12 Sheet 1 of 3

Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact

Material: Copper Alloy

विविधिक विविधिक

Plating:

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

Wiping Area: Gold, MIL-G-45204, Type II, Grade 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: 1 A

Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 VDC **Withstanding Voltage:** 1000 Vrms at Sea Level

Environmental

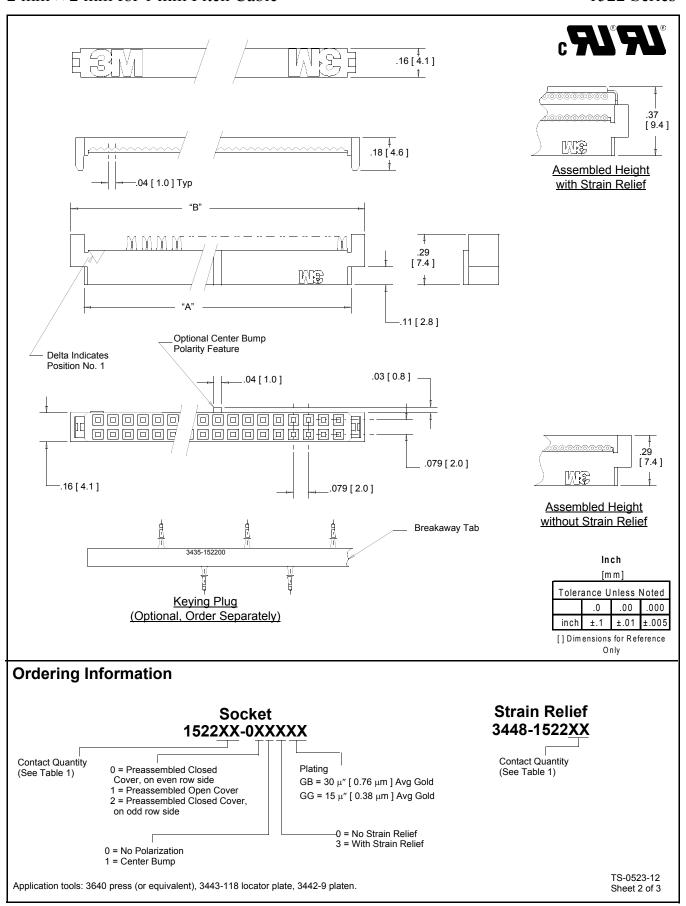
Temperature Rating: -55°C to +105°C

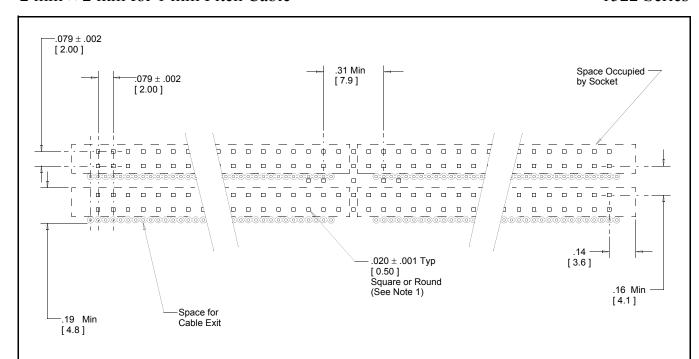
RoHS = Directive 2002/95/EC,

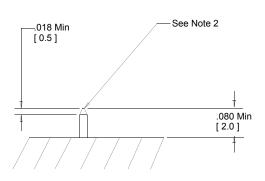
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment

UL File No.: E68080

2 mm × 2 mm for 1 mm Pitch Cable







Mating	Pin	Detail

Table 1			
Contact	Dimensions		
Quantity	A	В	
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]	

[] Dimensions for Reference Only

TS-0523-12 Sheet 3 of 3

Notes:

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

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.



Electronic Solutions Division

6801 River Place Blvd. Austin, TX 78726-9000 www.3M.com/esd

