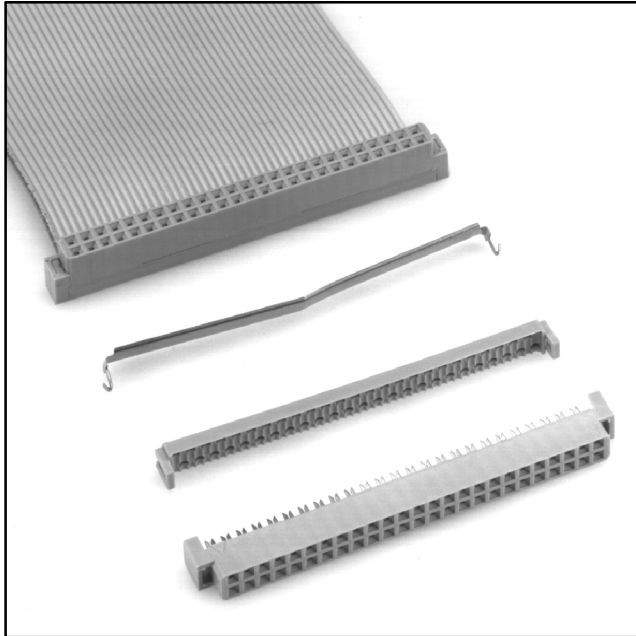


3M™ Pak 20 Wiremount Socket

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

Date Modified: July 26, 2004

TS-0523-11
Sheet 1 of 3

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 μ m] Nickel — QQ-N-290, Class 2
Wiping Area: Gold, MIL-G-45204, Type II, Grade C

Marking: Orientation delta and 3M logo

Wire Accommodation: 28 AWG Stranded

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

UL File No.: E68080

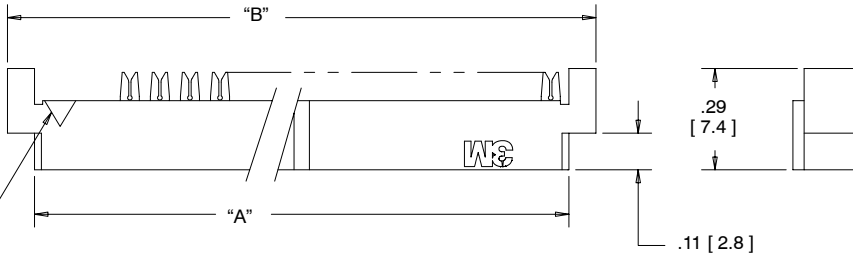
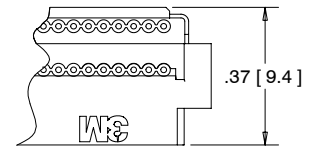
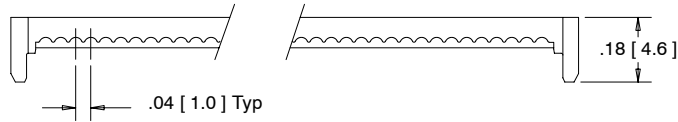
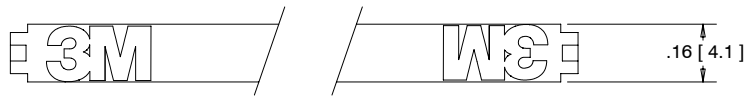
3M
Interconnect Solutions
<http://www.3M.com/interconnects/>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ Pak 20 Wiremount Socket

2 mm × 2 mm for 1 mm Pitch Cable

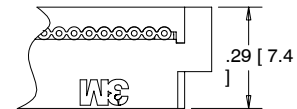
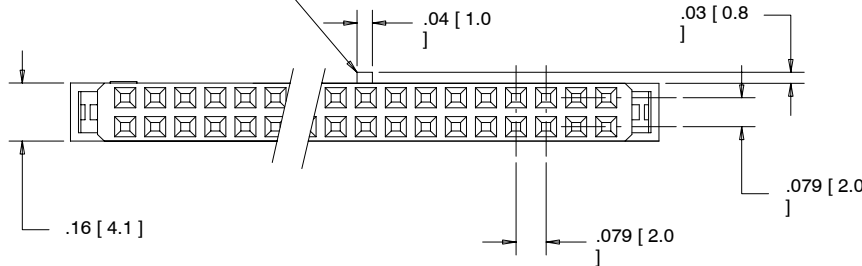
1522 Series



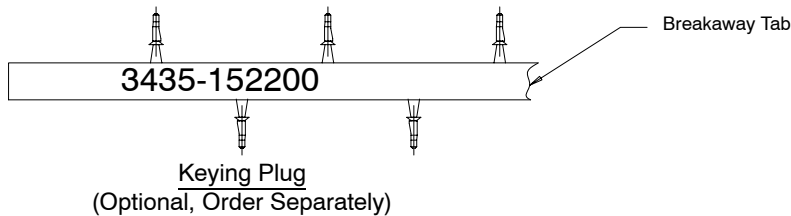
Assembled Height with Strain Relief

Delta Indicates Position No. 1

Optional Center Bump Polarity Feature



Assembled Height without Strain Relief



Inch [mm]

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

[] Dimensions for Reference only

Ordering Information

Socket
1522XX-0XXXXX

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

Plating
GB = 30 μ" [0.76 μm] Avg Gold
GG = 15 μ" [0.38 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)

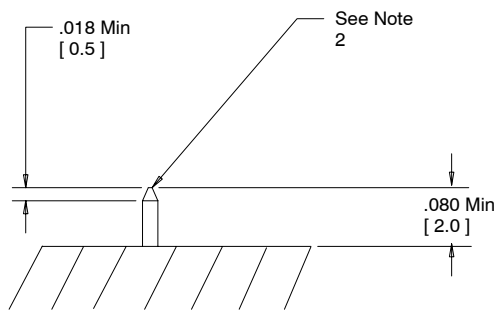
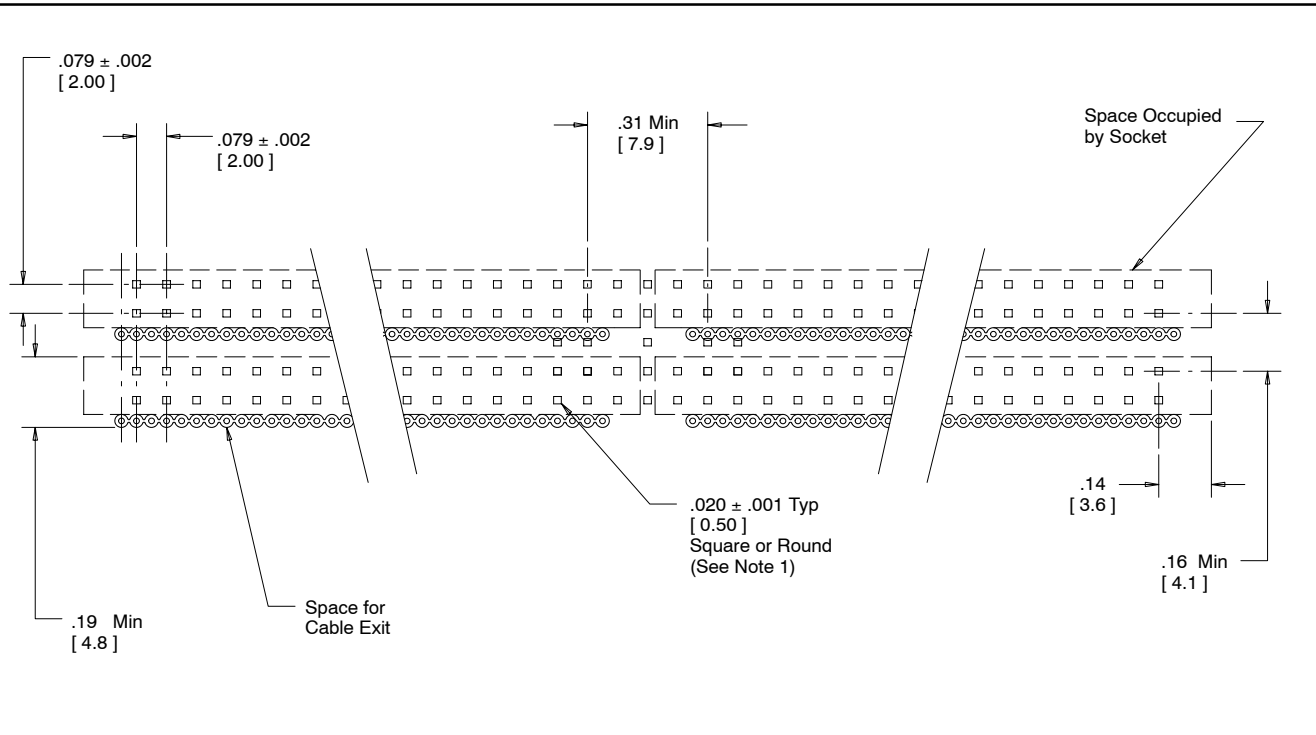
Application tools: 3640 press (or equivalent), 3443-118 locator plate, 3442-9 platen.

TS-0523-11
Sheet 2 of 3

3M™ Pak 20 Wiremount Socket

2 mm × 2 mm for 1 mm Pitch Cable

1522 Series



Mating Pin Detail

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]

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-0523-11
Sheet 3 of 3

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.



Electronic Solutions Division

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

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 1 year from the date 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 loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**