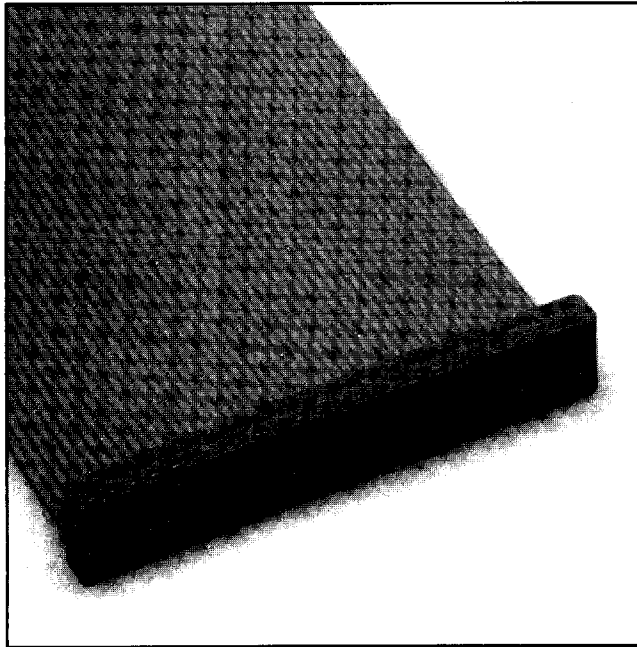


2mm × 2mm Molded Socket

1mm Pitch Cable

870 Series



- Part of a complete cable assembly
- Mates with industry standard headers
- One piece, molded on construction with integral strain relief
- Centerbump polarity feature available
- Low profile allows close stacking between components and boards
- Closed end construction
- Modular tooling allows customized designs

TS-0525-07
Sheet 1 of 3

40

Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact

Material: Copper Alloy

Plating

Underplate & U-Slot: 50-150 μ " [1.27-3.81 μ m] Nickel — QQ-N-290, Class 2

Wiping Area: 30 μ " [0.76 μ m] Gold — MIL-G-45204, Type II, Grade C

Wire Accommodation: 28 AWG Stranded

Marking: 3M Logo 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 $+105^\circ\text{C}$

UL File No.: E86982

3M Electronic Products Division

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

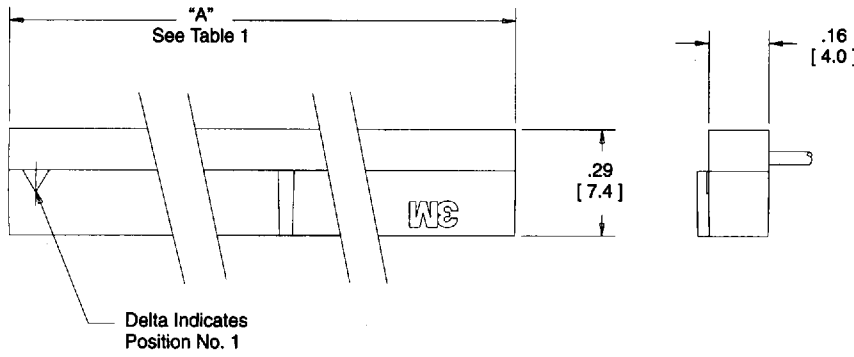
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For technical, sales or ordering information call
800-225-5373

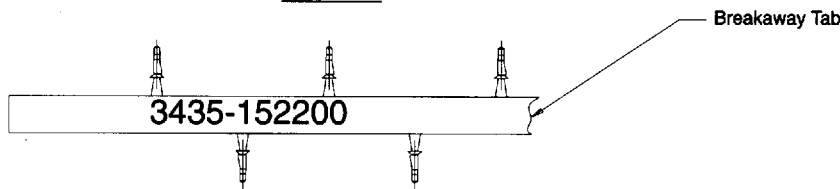
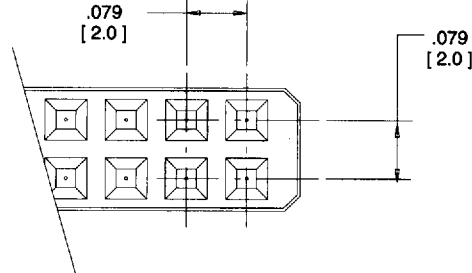
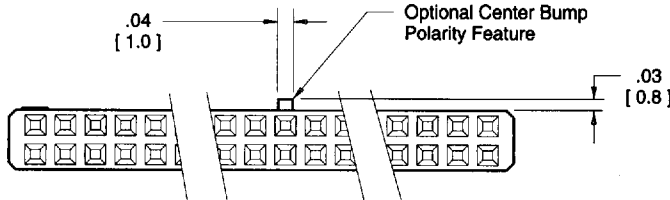
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2mm × 2mm Molded Socket 1mm Pitch Cable

870 Series



Contact Quantity	Dimension A
06	.270 [6.86]
08	.376 [9.55]
16	.691 [17.55]
20	.849 [21.56]
22	.928 [23.57]
24	1.006 [25.55]
26	1.085 [27.56]
44	1.79 [45.5]
50	2.03 [51.6]



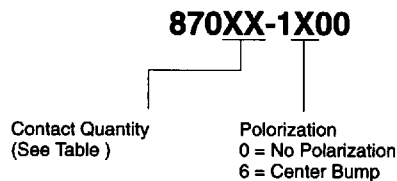
Keying Plug
(Optional, Order Separately)



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

[] Dimensions for Reference only

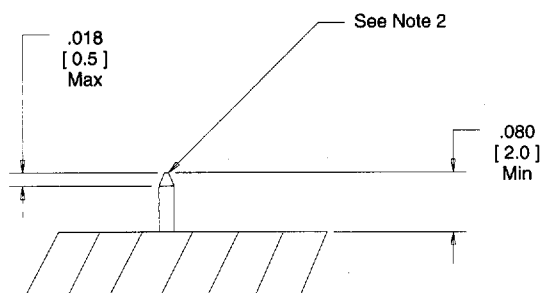
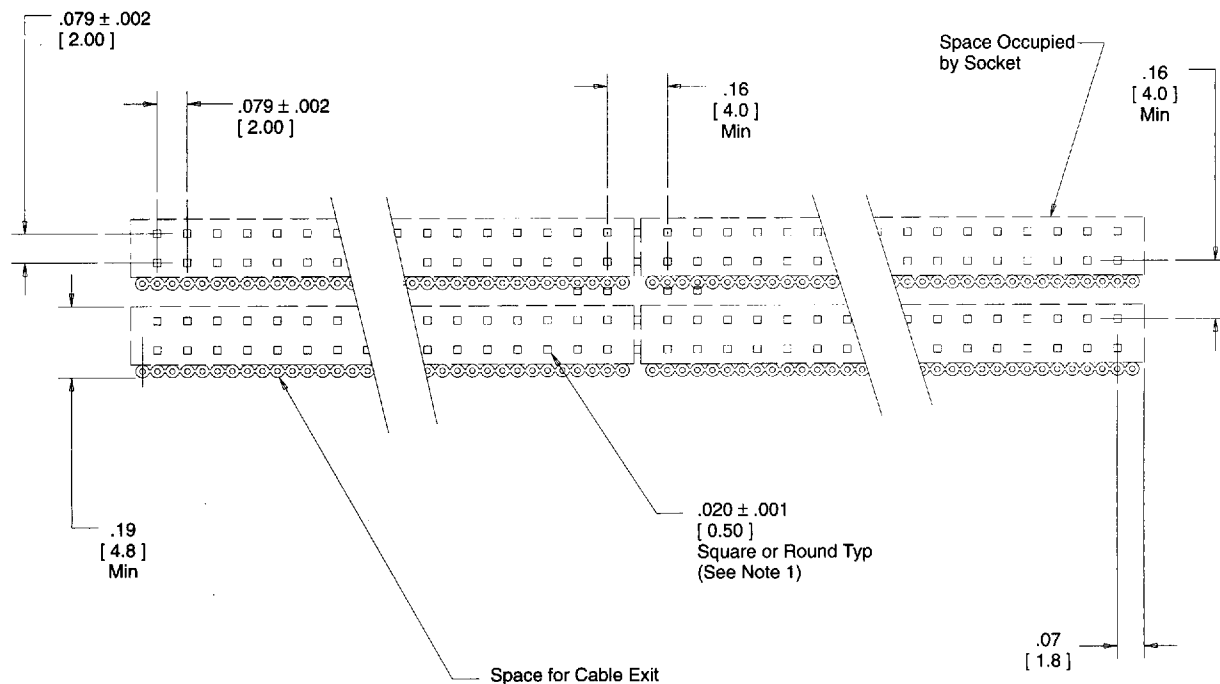
Ordering Information



TS-0525-07
Sheet 2 of 3

2mm × 2mm Molded Socket 1mm Pitch Cable

870 Series



Mating Pin Detail

Notes:

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

TS-0525-07
Sheet 3 of 3