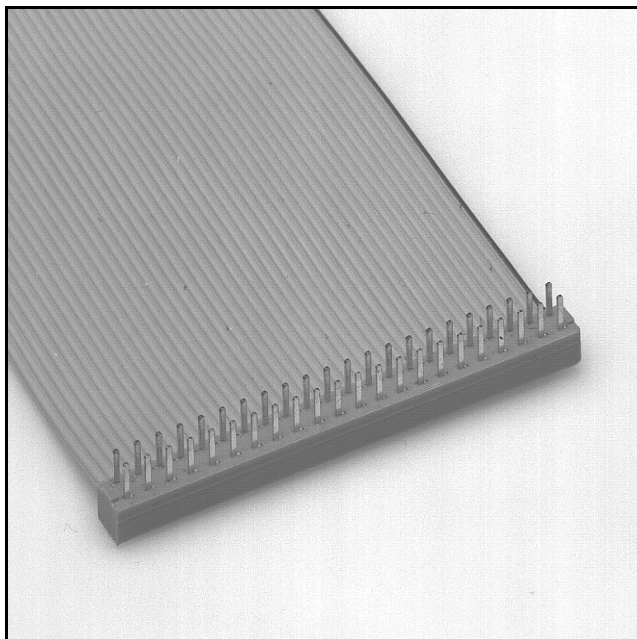


# 3M™ Molded PCB

2 mm x 2 mm for 1 mm Pitch Cable

879 Series



- Mates with industry standard 2mm x 2mm board pattern
- Supplied as a completed assembly only
- One piece, molded-on construction with integral strain relief
- Combines the function of header and socket into one component for reduced parts count
- Minimizes PC board space
- Low profile allows close stacking between components and boards
- Closed-end construction
- See Regulatory Information Appendix (RIA) on TS-2150 for chemical compliance information

Date Modified: February 12, 2007

TS-2151-02  
Sheet 1 of 2

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## Physical

### Insulation

Material: Glass Filled Polyester

Flammability: UL 94V-0

Color: Gray

### Contact

Material: Copper Alloy

### Plating:

Underplating and U-Slot: 50-150  $\mu$ " [ 1.27-3.81  $\mu$ m ] Nickel

Contact Tail: 300-400  $\mu$ " [ 7.62-10.16  $\mu$ m ] Matte Tin

Marking: 3M Logo

Wire Accommodation: 28 AWG Stranded

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## Electrical

Current Rating: 1 A

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 V<sub>DC</sub>

Withstanding Voltage: 1000 V<sub>RMS</sub> at Sea Level

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## Environmental

Temperature Rating: -55°C to +105°C

UL File No.: E86982



Interconnect Solutions

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

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For technical, sales or ordering information call

800-225-5373

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2 mm x 2 mm for 1 mm Pitch Cable

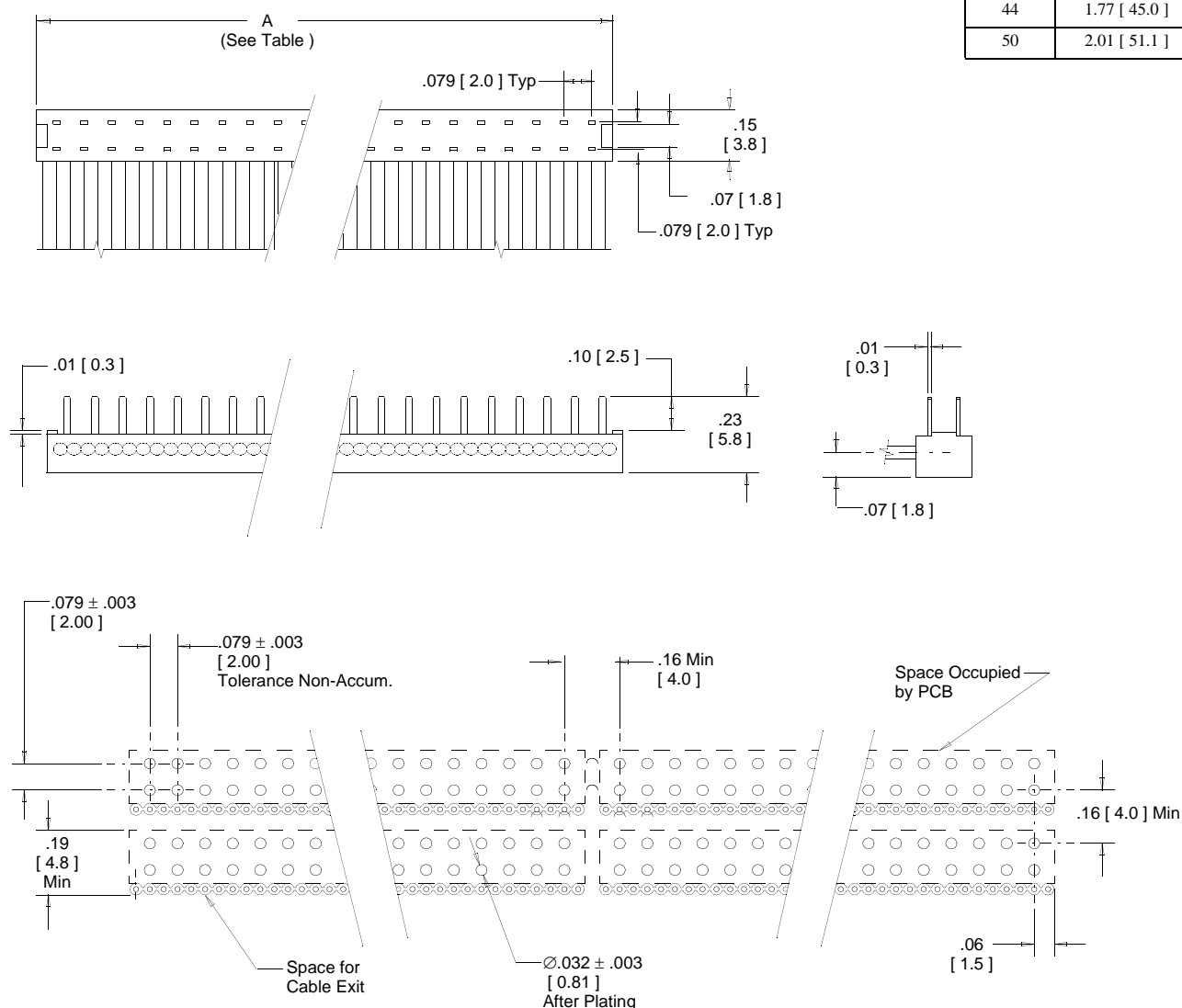
879 Series



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

[ ] Dimensions for  
Reference only

Contact Quantity	Dimension A
06	.27 [ 6.9 ]
08	.35 [ 8.9 ]
10	.43 [ 10.9 ]
12	.51 [ 12.9 ]
16	.67 [ 16.9 ]
20	.82 [ 20.9 ]
26	1.06 [ 26.9 ]
30	1.22 [ 31.0 ]
36	1.46 [ 37.0 ]
40	1.61 [ 41.0 ]
44	1.77 [ 45.0 ]
50	2.01 [ 51.1 ]



## Ordering Information

See TS-2150 technical drawing for Ordering  
Information on a complete cable assembly.

TS-2151-02  
Sheet 2 of 2



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