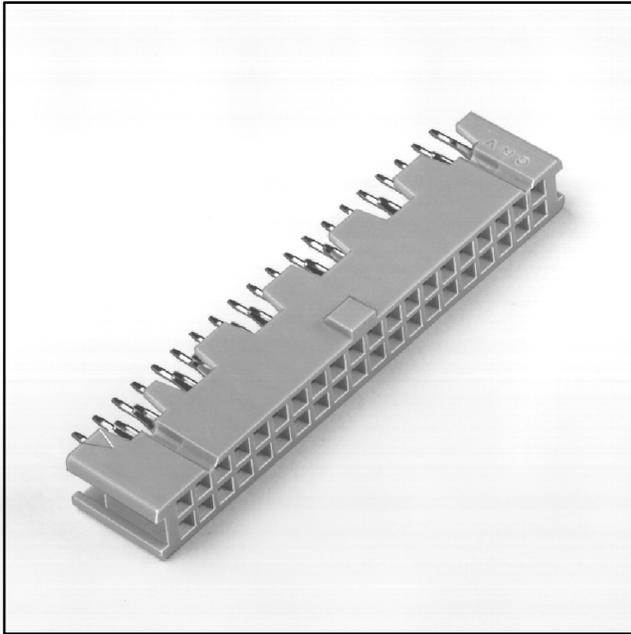


# 3M™ Pak 100 Polarized Boardmount Socket

.100" × .100" Centerbump Polarization with Straight Solder Tails

8500 Series



- Centerbump polarization
- Mates with low profile shrouded headers
- Part number on each piece
- Optional keying plug
- UL 94V-0 rated polyester body
- Board retention feature

Date Modified: May 30, 2003

TS-0413-08  
Sheet 1 of 2

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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: 2  $\mu\text{m}$  [ 79  $\mu\text{in}$  ] Nickel — QQ-N-290, Class 2  
Wiping Area: 0.3  $\mu\text{m}$  [ 12  $\mu\text{in}$  ] Gold — MIL-G-45204, Type II, Grade C  
Solder Tails: Tin Lead — MIL-P-81728

Marking: 3M Logo, Part Identification Number and Orientation Triangle

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## Electrical

Current Rating: 1 A

Insulation Resistance:  $> 1 \times 10^9 \Omega$  at 500 Vdc

Withstanding Voltage: 1000 Vrms at Sea Level

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## Environmental

Temperature Rating: -55°C to 105°C

UL File No.: E68080

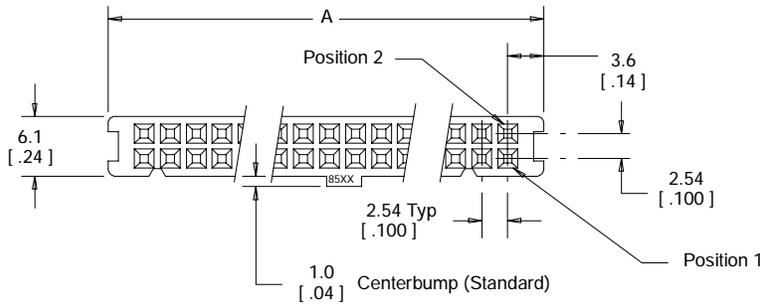
**3M**  
Interconnect Solutions  
<http://www.3M.com/interconnects/>

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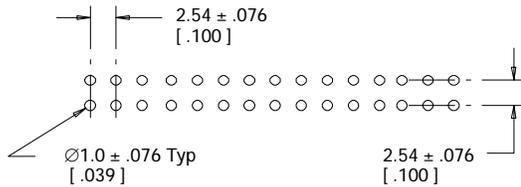
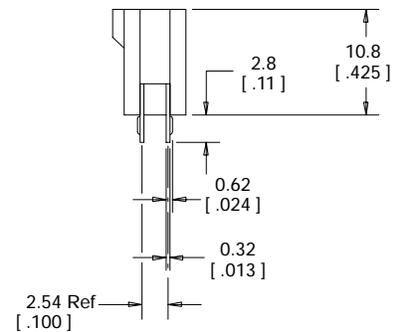
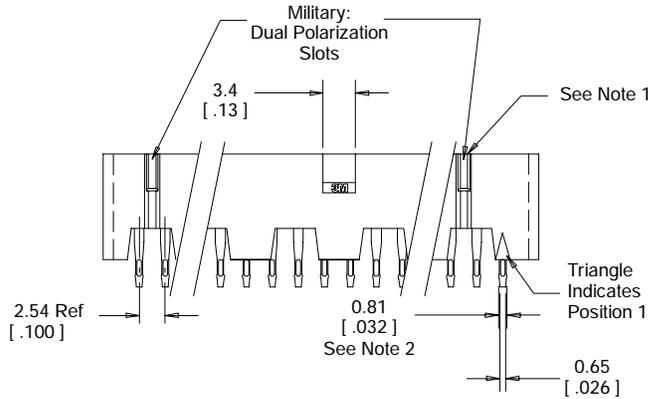
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## .100" × .100" Centerbump Polarization with Straight Solder Tails

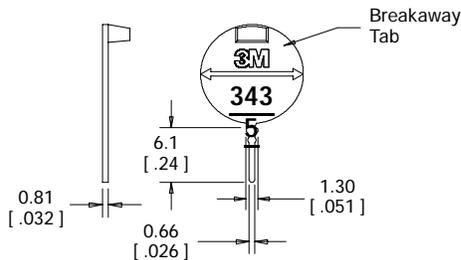
8500 Series



Contact Quantity	Dimension A
10	17.3 [.68]
16	25.9 [.98]
20	30.0 [1.18]
26	37.6 [1.48]
34	47.7 [1.88]
40	55.4 [2.18]
50	68.1 [3.18]
60	80.8 [3.18]
64	85.8 [3.38]



**Recommended Mounting Hole Pattern**  
(Shown for Top Side of PC Board)



**3435-0**  
**Keying Plug**  
(Optional: Order Separately)

mm [Inch]		
Tolerance Unless Noted		
	.0	.00
	.00	.000
mm	±.3	±.15

[ ] Dimensions for Reference only

**Notes:**

1. This polarizing groove is non-existent on the 10 position version.
2. The contact soldertail is designed to retain the connector on the PC board during flow soldering operations.
3. Recommended to be mated to the .100" x .100" low profile header and the Plug Connector 4600 Series without ejector latches.

### Ordering Information

**Sockets**  
**85XX-4500JL**

Contact Quantity:  
See Table

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Sheet 2 of 2

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