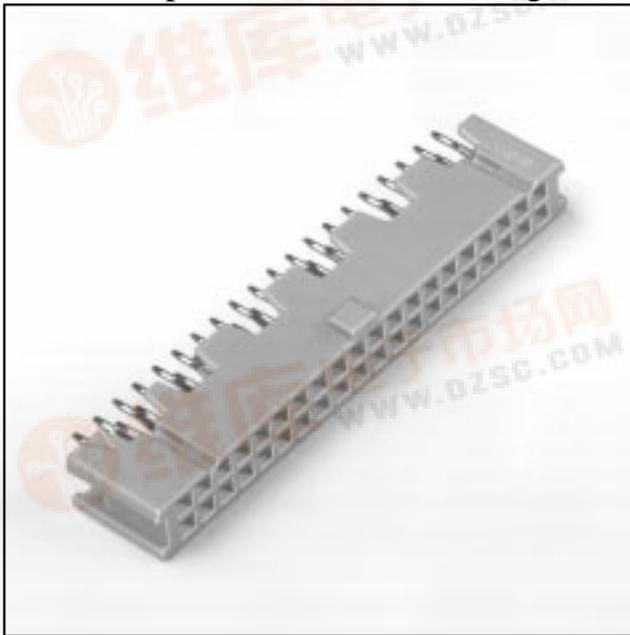


.100" × .100" Polarized Boardmount Socket

Centerbump Polarization with Straight Solder Tails

8500 Series



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

Date Modified: February 19, 1999

TS-0413-07
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 & U-Slot: 2 μm [79 $\mu\text{''}$] Nickel — QQ-N-290, Class 2
Wiping Area: 0.3 μm [12 $\mu\text{''}$] Gold — MIL-G-45204, Type II, Grade C
Solder Tails: Tin Lead — MIL-P-81728

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

Electrical

Current Rating: 1 A
Insulation Resistance: $> 1 \times 10^9 \Omega$ at 500 Vdc
Withstanding Voltage: 1000 Vrms at Sea Level

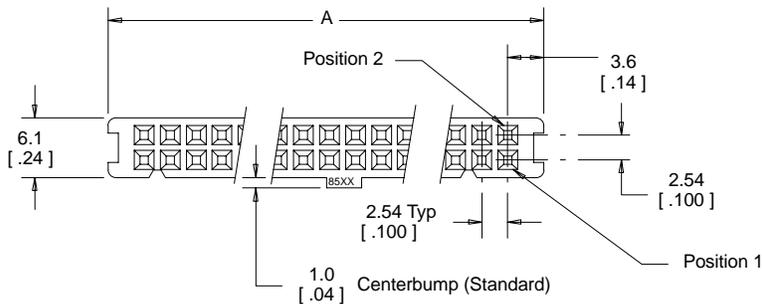
Environmental

Temperature Rating: -55°C to 105°C

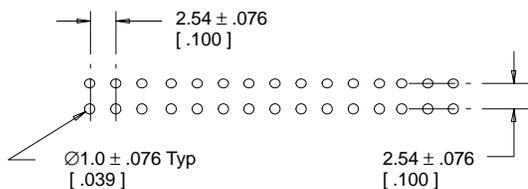
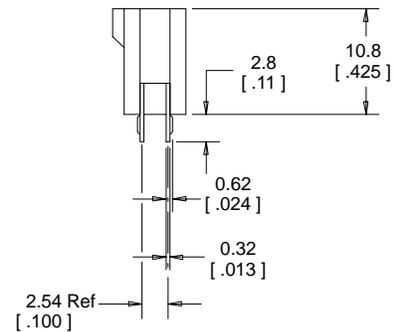
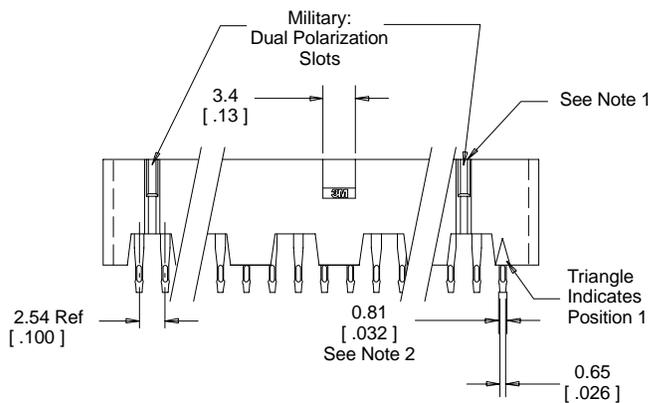
.100" × .100" Polarized Boardmount Socket

Centerbump Polarization with Straight Solder Tails

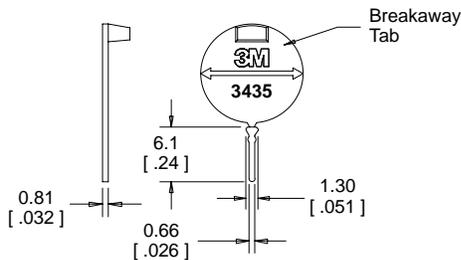
8500 Series



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 [2.68]
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

