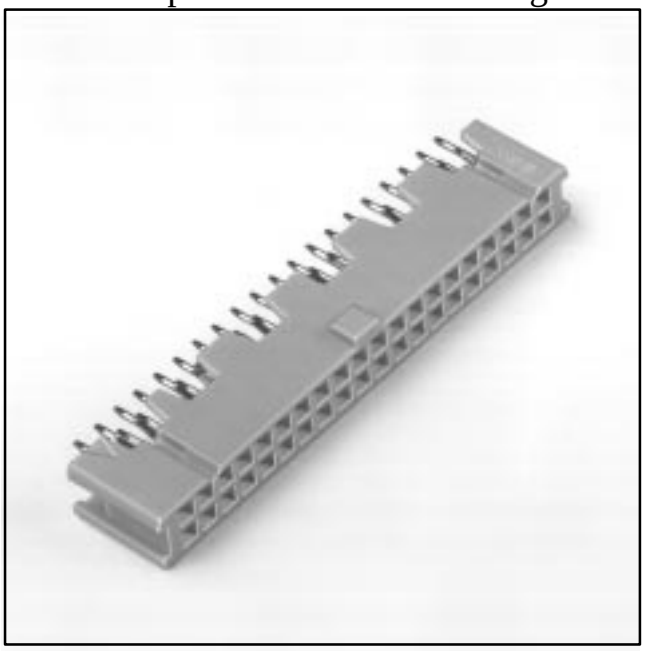
.100″ × .100″ Polarized Boardmount Socket

Centerbump Polarization with Straight Solder Tails 8500 Series



84

- 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

Physical

Insulation	
Material:	Glass Filled Polyester (PBT)
Flammability:	UL 94V-0
Color:	Gray
Contact	
Material:	Copper Alloy
Plating	
Underplating & U-Slot:	2 µm [79 µ″] Nickel — QQ-N-290, Class 2
Wiping Area:	0.3 µm [12 µ″] 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:	$> 1 \times 10^9$ Ω at 500 Vdc
Withstanding Voltage:	1000 Vrms at Sea Level

Environmental

Temperature Rating:	–55°C to 105°C

UL File No.: E68080

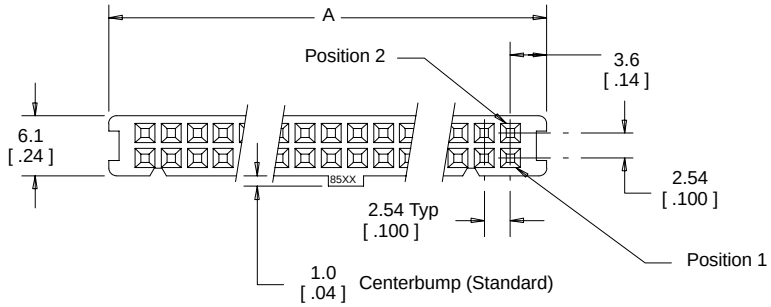
3M Interconnect Solutions Division
6801 River Place Blvd.
Austin, TX 78726-9000

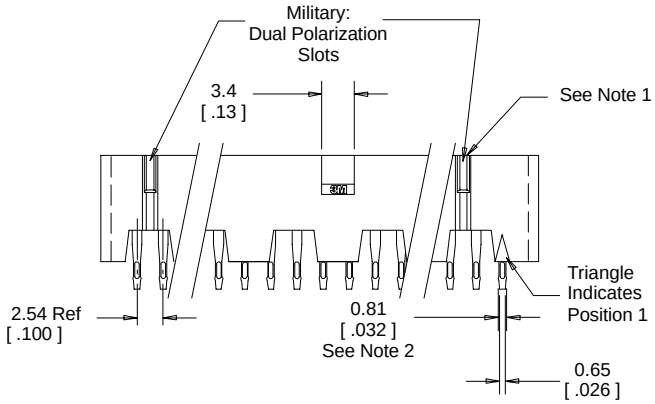
For technical, sales or ordering information call
800-225-5373

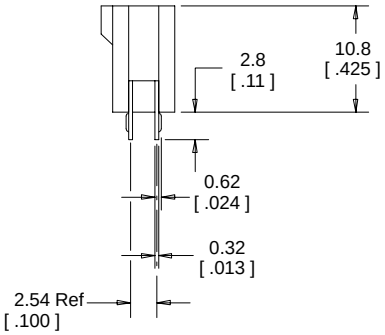
.100″ × .100″ Polarized Boardmount Socket

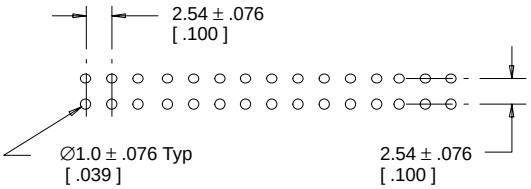
Centerbump Polarization with Straight Solder Tails — 8500 Series

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]

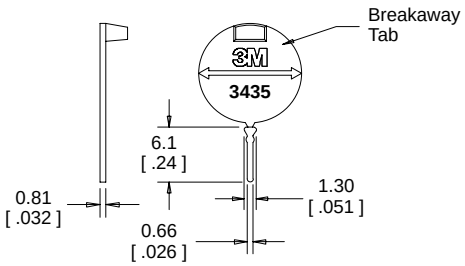








Recommended Mounting Hole Pattern
(Shown for Top Side of PC Board)



3435-0
Keying Plug
(Optional: Order Separately)

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.

mm
[Inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	± .3	± .15	

[ ] Dimensions for Reference only

Ordering Information

Sockets
85XX-4500JL

Contact Quantity:
See Table

TS-0413-07
Sheet 2 of 2

3M Interconnect Solutions Division
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Austin, TX 78726-9000

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