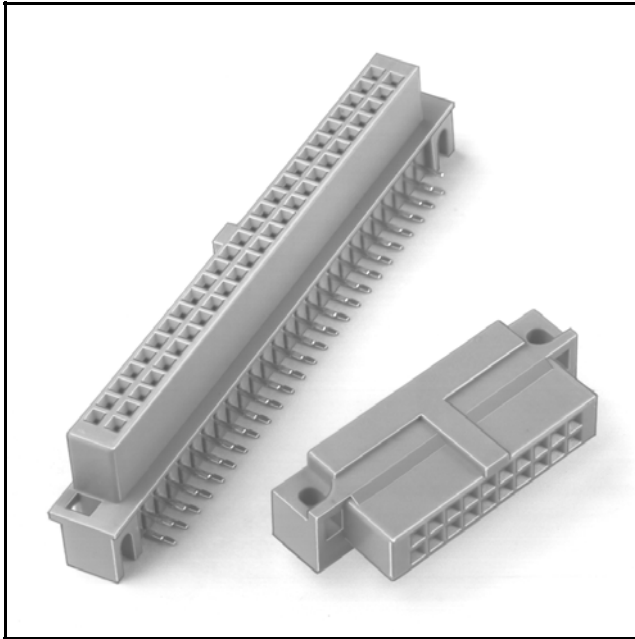


3M™ Polarized Boardmount Socket

.100" × .100" Centerbump Polarization with Right Angle Solder Tails

5100 Series



- Centerbump polarization
- Mates with standard low profile shrouded headers
- Part number on each piece
- Optional keying plug
- RoHS* compliant version (PL plating) available

Date Modified: September 1, 2005

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Sheet 1 of 2

Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Gray

Contact

Material: Copper Alloy

Plating

Underplating and U-Slot: 2 μm [79 μin] Nickel

Wiping Area: 0.3 μm [12 μin] Gold

Solder Tails: Tin Lead or Gold flash (see ordering information)

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

*RoHS = Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

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5100 Series

Contact Quantity	Dimensions		
	A	B	C
20	38.1 [1.50]	33.0 [1.30]	30.0 [1.18]
26	45.7 [1.80]	40.6 [1.60]	37.6 [1.48]
30	50.8 [2.00]	45.7 [1.80]	42.7 [1.68]
34	55.9 [2.20]	50.8 [2.00]	47.7 [1.88]
40	63.5 [2.50]	58.4 [2.30]	55.4 [2.18]
50	76.2 [3.00]	71.1 [2.80]	68.1 [2.68]
60	88.9 [3.50]	83.8 [3.30]	80.8 [3.18]
64	93.9 [3.70]	88.9 [3.50]	85.8 [3.38]

Recommended Mounting Hole Pattern
(Shown for top side of PC board)

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

[] Dimensions for Reference only

3435-0 Keying Plug
(Optional: Order Separately)

Sockets
51XX-B7A2XL

Contact Quantity: Tail plating:
See Table J = Tin-lead
P = Gold flash (RoHS compliant)

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Sheet 2 of 2

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6801 River Place Blvd.
Austin, TX 78726-9000
800/328-1368
www.3M.com/electronics

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Minimum 10%
Post-Consumer Fiber

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