

3M™ Chip Carrier Sockets

Low Profile, Four-Row, Through Hole

8400 Series



- Accepts chip carriers conforming to JEDEC outline MO-047 for square and MO-052 for rectangular
- Compatible with automated loading equipment
- Open top design allows unrestricted air flow
- Molded slots for ease of device extraction
- Wave solder compatible. Not suitable for reflow soldering
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnector.com for compliance information (RIA E1 and C1 apply)

Date Modified: September 14, 2011

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Physical

Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: 50 μ " [1.27 μ m] Nickel - Overall

Wiping Area: 160 μ " [4.06 μ m] Matte Tin

Electrical

Contact Resistance: 15 m Ω

Insulation Resistance: >10³ M Ω minimum

Capacitance: <1 pF at 1 MHz

Environmental

Temperature Rating: -40°C to +105°C

Process Rating: Wave Solder Only

Notice:

Please be aware that the 3M PLCC products are tin plated on the contact wiping surface. This is necessary to ensure mated reliability since standard PLCC contacts are also tin plated. Since tin whiskers are an inherent characteristic of tin and mechanically stressing the tin is a known driver of whisker growth, it is possible the PLCC and PLCC socket may exhibit tin whisker growth after mating. 3M follows the iNEMI plating recommendations which include whisker mitigating tin plating chemistry to reduce the likelihood of tin whisker growth. Please consider whether a PLCC socket is suitable for your particular needs after considering your product applications life span and environment including mechanical stresses, humidity, and thermal cycling all of which have been shown to stimulate tin whisker growth.



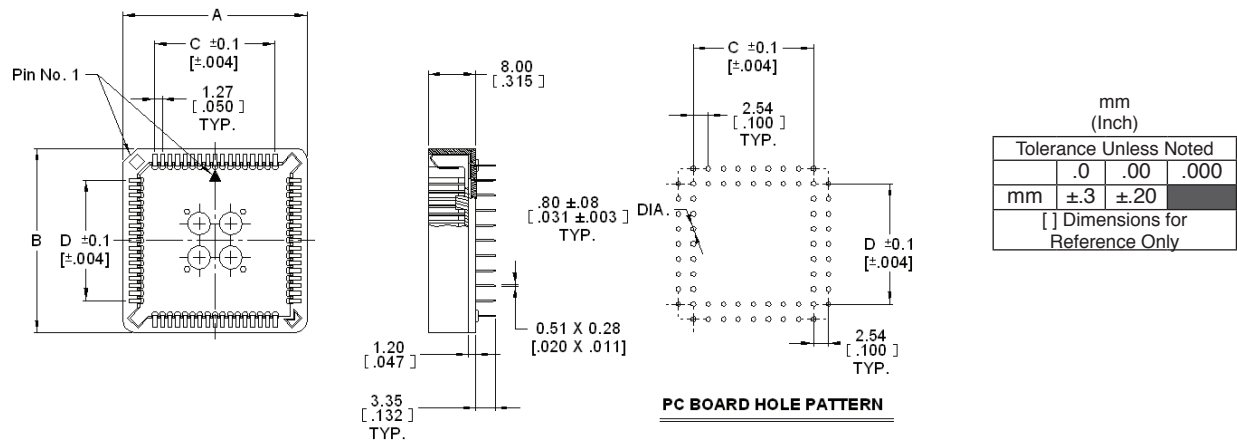
Electronic Solutions Division
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3M™ Chip Carrier Sockets

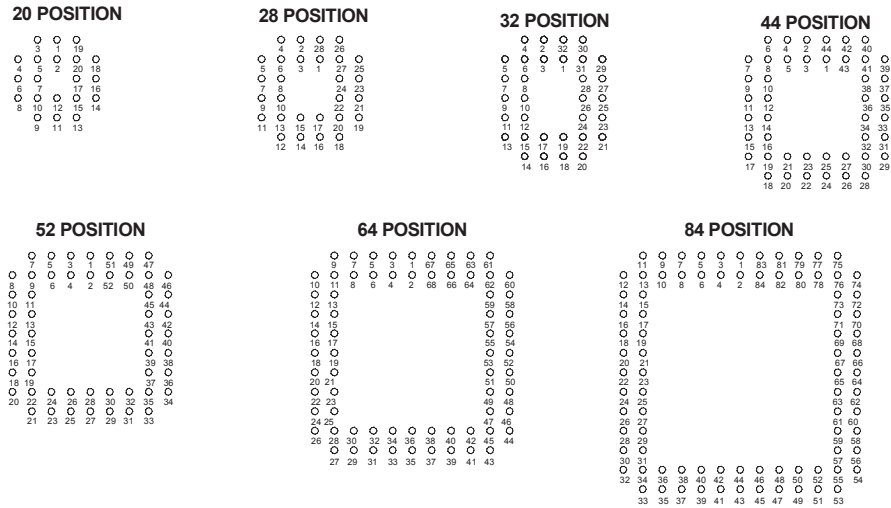
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Contact Quantity	Part No.	A	B	C	D
20	8420-11B1-RK-TP	15.50 [0.611]	15.50 [0.611]	5.08 [0.200]	5.08 [0.200]
28	8428-11B1-RK-TP	18.05 [0.711]	18.05 [0.711]	7.62 [0.300]	7.62 [0.300]
32	8432-11B1-RK-TP	18.05 [0.711]	20.60 [0.812]	7.62 [0.300]	10.16 [0.400]
44	8444-11B1-RK-TP	23.50 [0.926]	23.50 [0.926]	12.70 [0.500]	12.70 [0.500]
52	8452-11B1-RK-TP	25.88 [1.020]	25.88 [1.020]	15.24 [0.600]	15.24 [0.600]
68	8468-11B1-RK-TP	31.05 [1.223]	31.05 [1.223]	20.32 [0.801]	20.32 [0.801]
84	8484-11B1-RK-TP	36.05 [1.420]	36.05 [1.420]	25.40 [1.001]	25.40 [1.001]

LAYOUT DIAGRAM



Ordering Information

84XX - 11B1 - RK - TP

Contact Quantity
(See Table)

Note: Parts packaged in tubes.

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