

# 3M™ Chip Carrier Sockets

Low Profile, 4-Row, Thru-hole

8400 Series



- Accepts chip carriers conforming to JEDEC outline MO-047 for square and MO-052 for rectangular
- High temperature insulator compatible with IR reflow and wave soldering
- Compatible with automated loading equipment
- Open top design allows unrestricted air flow
- Molded slots for ease of device extraction
- RoHS\* compliant

Date Modified: November 14, 2005

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## Physical

### Insulation

Material: Glass Filled Polyphenylene Sulfide (PPS)

Flammability: UL 94V-0

Color: Brown

### Contact

Material: Phosphor Bronze

### Plating

Underplating: 50  $\mu$ ", [ 1.27  $\mu$ m ] Nickel - Overall

Wiping Area: 160  $\mu$ ", [ 4.06  $\mu$ m ] Matte Tin

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## Electrical

**Contact Resistance:** 15 m $\Omega$

**Insulation Resistance:** >10<sup>3</sup> M $\Omega$  minimum

**Capacitance:** <1 pF at 1MHz

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## Environmental

**Temperature Rating:** -40°C to +105°C

**Process Rating:** Maximum 260° C, single pass, (profile per J-STD-020C)

**Moisture Sensitivity Level:** 1 (per J-STD-020C)

\*\*"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 in writing by 3M, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.



Interconnect Solutions

<http://www.3M.com/interconnects/>

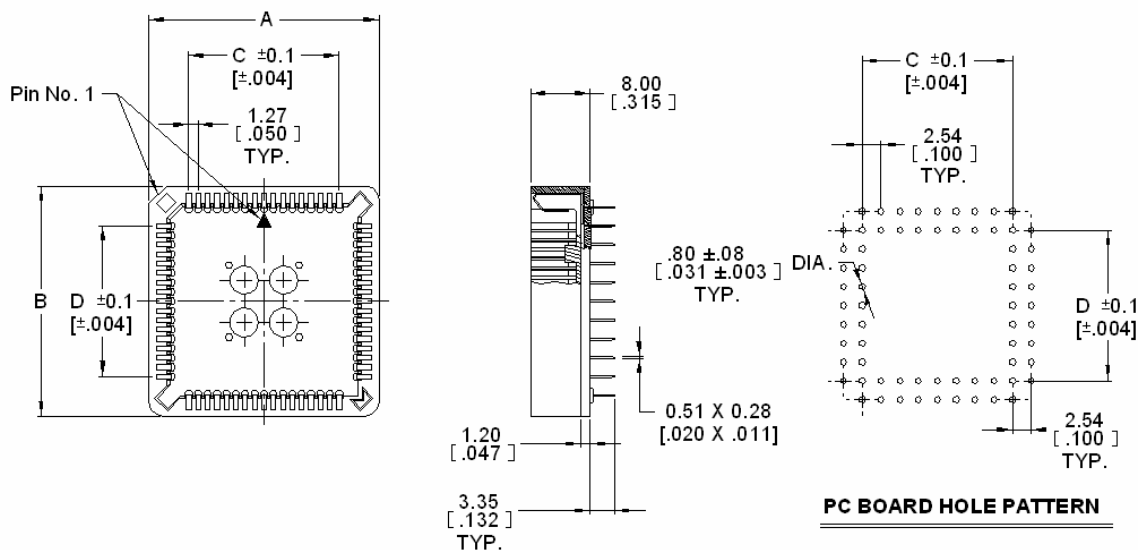
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800-225-5373

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

mm  
[inch]

Tolerance Unless Noted			
	.0	.00	.000
mm	$\pm .3$	$\pm .20$	

[ ] Dimensions for Reference Only

## Ordering Information

84XX - XXX1 - XX - XX

Contact Quantity  
(See Table)

Mounting Technology:  
1 = Thru Hole  
2 = SMT

Polymer (Body):  
1 = PPS

Alignment Feature:  
A = With Location Post  
B = Without Location Post

Packaging:  
TP = Tube Pack  
TR = Tape and Reel (Not available with thru hole)

Plating:  
RK = RoHS Compliant Matte Tin

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### 3M Electronics

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Minimum 10%  
Post-Consumer Fiber

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