

# 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

Date Modified: December 12, 2006

TS-2148-03  
Sheet 1 of 2

---

## Physical

### Insulation

Material: Glass Filled Polyester (PBT)

Flammability: UL 94V-0

Color: Black

### Contact

Material: Copper Alloy

### Plating

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

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

---

## Electrical

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

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

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

---

## Environmental

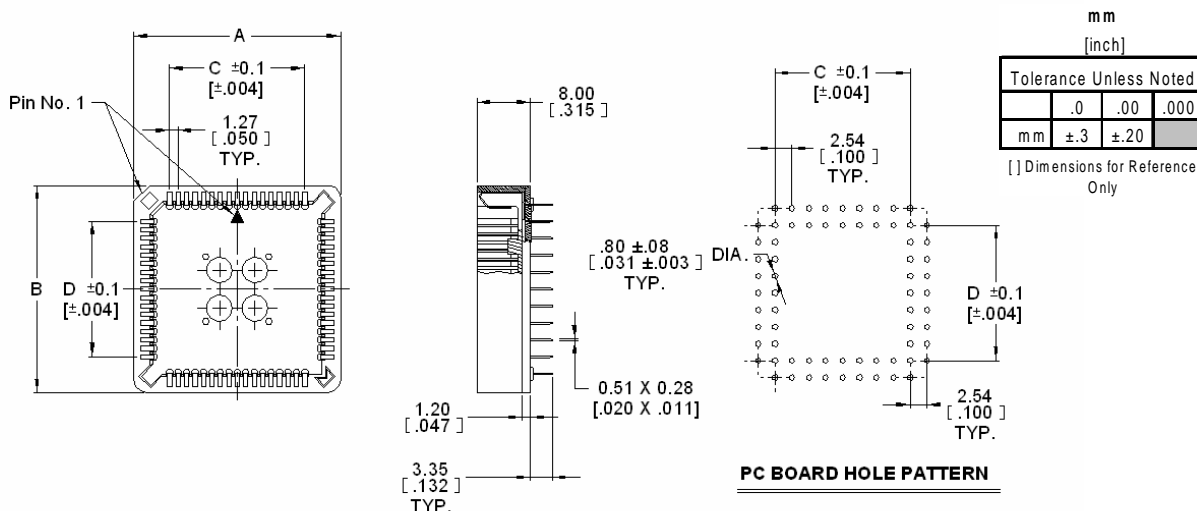
**Temperature Rating:** -40°C to +105°C

\*\*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.

# 3M™ Chip Carrier Sockets

Low Profile, Four-Row, Through-Hole

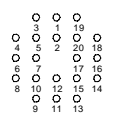
8400 Series



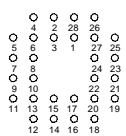
Contact Quantity	Part No.	A	B	C	D
20	8420-11B1-RK-TP	15.50 [0.611]	15.50 [0.611]	5.08 [0.200]	5.08 [0.200]
28	8428-11B1-RK-TP	18.05 [0.711]	18.05 [0.711]	7.62 [0.300]	7.62 [0.300]
32	8432-11B1-RK-TP	18.05 [0.711]	20.60 [0.812]	7.62 [0.300]	10.16 [0.400]
44	8444-11B1-RK-TP	23.50 [0.926]	23.50 [0.926]	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

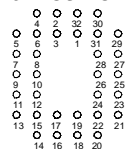
20 POSITION



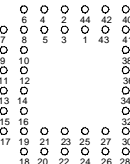
28 POSITION



32 POSITION



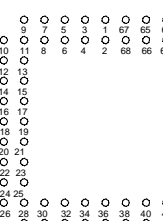
44 POSITION



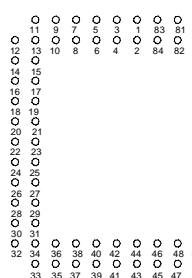
52 POSITION



64 POSITION



84 POSITION



## Ordering Information

**84XX - 11B1 - RK - TP**

Contact Quantity  
(See Table)

Note: Parts packaged in tubes.

TS-2148-03  
Sheet 2 of 2

**3M**

**Interconnect Solutions**

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

3M is a trademark of 3M Company.

For technical, sales or ordering information call

**800-225-5373**

## Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



### 3M Electronics

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/225-5373  
[www.3M.com/electronics](http://www.3M.com/electronics)

## Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of 90 days from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Minimum 10%  
Post-Consumer Fiber

Printed in USA.

© 3M 2006