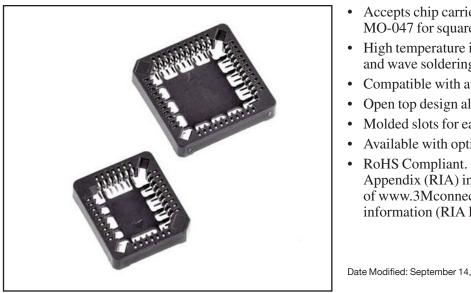
3M[™] Chip Carrier Sockets

8400 Series

Surfacemount



- 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
- Available with optional PCB locating posts
- **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

TS-2147-B Sheet 1 of 2

Physical

| Insulation | |
|---------------|--|
| Material: | Glass Filled Polyphenylene Sulfide (PPS) |
| Flammability: | UL 94V-0 |
| Color: | Black |
| Contact | |
| Material: | Copper Alloy |
| Plating | |
| Underplating: | 50 μ" [1.27 μm] Nickel - Overall |
| Wiping Area: | 160 μ", [4.06 μm] Matte Tin |

Electrical

Contact Resistance: $15 \text{ m}\Omega$

Insulation Resistance: >10³ M Ω minimum Capacitance: <1 pF at 1 MHz

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)

Notice:

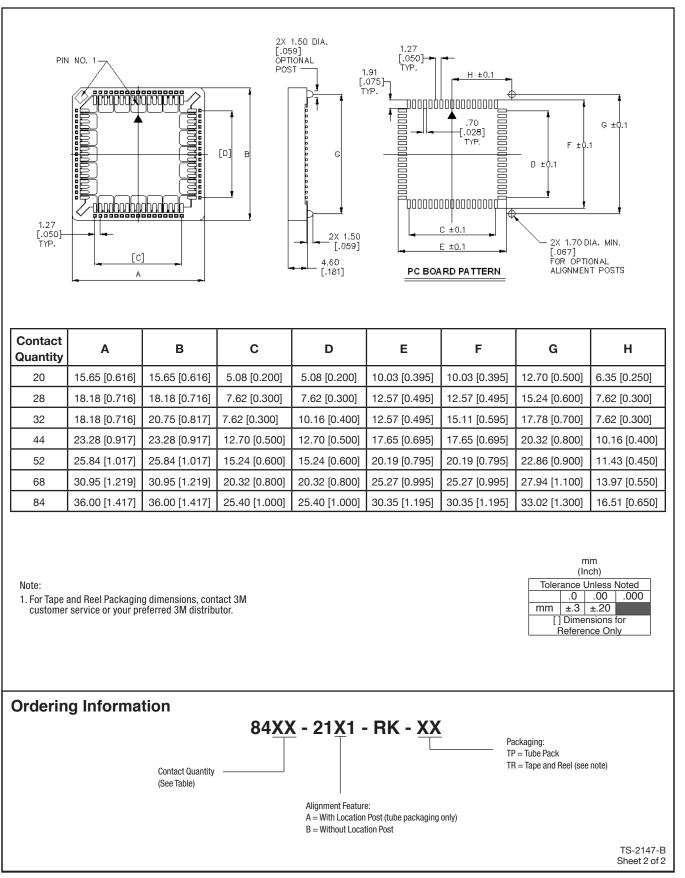
Please be aware that the 3M PLCC products are tin plated on the contact wiping surface. This is necessary to ensure mated reliability since standard PLCC contacts are also tin plated. Since tin whiskers are an inherent characteristic of tin and mechanically stressing the tin is a known driver of whisker 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.

3M **Electronic Solutions Division** Interconnect Solutions http://www.3Mconnectors.com

3M is a trademark of 3M Company. For technical, sales or ordering information call 800-225-5373

$3M^{TM}$ Chip Carrier Sockets

Surfacemount



ЗМ

Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com 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.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of ninety (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.**



3M Electronics Solutions Division 6801 River Place Blvd. Austin, TX 78726-9000 U.S.A. 1-800-225-5373 www.3Mconnector.com

Please recycle. Printed in USA. © 3M 2010. All rights reserved. RIA-2217B-E

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

 8428-21B1-RK-TP
 8428-21A1-RK-TP
 8468-21A1-RK-TP
 8468-21B1-RK-TP
 8484-21B1-RK-TP
 8484-21A1-RK-TP

 8452-21A1-RK-TP
 8420-21A1-RK-TP
 8452-21B1-RK-TP
 8420-21B1-RK-TP
 8432-21B1-RK-TP
 8444-21B1-RK-TP

 8444-21A1-RK-TP
 8432-21A1-RK-TP
 8452-21B1-RK-TR
 8468-21B1-RK-TP
 8420-21B1-RK-TP
 8420-21B1-RK-TP

 8432-21B1-RK-TP
 8444-21B1-RK-TP
 8452-21B1-RK-TR
 8468-21B1-RK-TR
 8420-21B1-RK-TR
 8428-21B1-RK-TR