

## Sn63/Pb37 Solder Spheres for BGAs

### Product Highlights

Chip Quik® BGA solder spheres are manufactured from virgin materials to meet or exceed the requirements of building or repairing BGA packages. Chip Quik® BGA solder spheres also exceed both the IPC and MIL standards for purity levels and size tolerances. Nominal sizes are available from 8 to 30 mil.

### Product Specifications

| Part Number          | Alloy           | Melting Point | Diameter               | Quantity (by weight) |
|----------------------|-----------------|---------------|------------------------|----------------------|
| SMD2140              | Sn63/Pb37       | 183°C (361°F) | 0.008" (0.2mm)         | 250,000              |
| SMD2140-25000        |                 |               |                        | 25,000               |
| SMD2150              |                 |               | 0.010" (0.25mm)        | 250,000              |
| SMD2150-25000        |                 |               |                        | 25,000               |
| SMD2165              |                 |               | 0.012" (0.3mm)         | 250,000              |
| SMD2165-25000        |                 |               |                        | 25,000               |
| SMD2170              |                 |               | 0.014" (0.35mm)        | 250,000              |
| SMD2170-25000        |                 |               |                        | 25,000               |
| SMD2180              |                 |               | 0.016" (0.4mm)         | 250,000              |
| SMD2180-25000        |                 |               |                        | 25,000               |
| SMD2185              |                 |               | 0.018" (0.45mm)        | 250,000              |
| SMD2185-25000        |                 |               |                        | 25,000               |
| SMD2190              |                 |               | 0.020" (0.5mm)         | 250,000              |
| SMD2190-25000        |                 |               |                        | 25,000               |
| SMD2195              |                 |               | 0.022" (0.55mm)        | 250,000              |
| SMD2195-25000        |                 |               |                        | 25,000               |
| SMD2200              |                 |               | 0.024" (0.6mm)         | 250,000              |
| SMD2200-25000        |                 |               |                        | 25,000               |
| SMD2205              |                 |               | <b>0.025" (0.63mm)</b> | 250,000              |
| <b>SMD2205-25000</b> |                 |               |                        | <b>25,000</b>        |
| SMD2215              | 0.030" (0.76mm) | 250,000       |                        |                      |
| SMD2215-25000        |                 | 25,000        |                        |                      |

Shelf Life: >24 months

### Test Results

| Test J-STD-004 or other requirements as stated | Test Requirement                                   | Result   |
|--|--|--|
| Conflict Minerals Compliance                   | Electronic Industry Citizenship Coalition (EICC)   | Compliant  |
| REACH Compliance                               | Articles 33 and 67 of Regulation (EC) No 1907/2006 | Contains Lead (Pb) CAS# 7439-92-1<br>No other SVHC present |

Conforms to the following Industry Standards:

|   |     |
|---|-----|
| J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders): | Yes |
| RoHS 2 Directive 2011/65/EU:  | No  |

Additional Alloys Available

| Part Number   | Alloy              | Melting Point         | Diameter        | Quantity (by weight) |
|---------------|--------------------|-----------------------|-----------------|----------------------|
| SMD2016       | Sn96.5/Ag3.0/Cu0.5 | 217-220°C (423-428°F) | 0.008" (0.2mm)  | 250,000              |
| SMD2016-25000 |                    |                       |                 | 25,000               |
| SMD2020       |                    |                       | 0.010" (0.25mm) | 250,000              |
| SMD2020-25000 |                    |                       |                 | 25,000               |
| SMD2024       |                    |                       | 0.012" (0.3mm)  | 250,000              |
| SMD2024-25000 |                    |                       |                 | 25,000               |
| SMD2028       |                    |                       | 0.014" (0.35mm) | 250,000              |
| SMD2028-25000 |                    |                       |                 | 25,000               |
| SMD2032       |                    |                       | 0.016" (0.4mm)  | 250,000              |
| SMD2032-25000 |                    |                       |                 | 25,000               |
| SMD2036       |                    |                       | 0.018" (0.45mm) | 250,000              |
| SMD2036-25000 |                    |                       |                 | 25,000               |
| SMD2040       |                    |                       | 0.020" (0.5mm)  | 250,000              |
| SMD2040-25000 |                    |                       |                 | 25,000               |
| SMD2050       |                    |                       | 0.024" (0.6mm)  | 250,000              |
| SMD2050-25000 |                    |                       |                 | 25,000               |
| SMD2055       |                    |                       | 0.025" (0.63mm) | 250,000              |
| SMD2055-25000 |                    |                       |                 | 25,000               |
| SMD2060       |                    |                       | 0.030" (0.76mm) | 250,000              |
| SMD2060-25000 |                    |                       |                 | 25,000               |

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