



100% Material Declaration Data Sheet BGG352

PK196 (v1.0.1) January 8, 2007

Material Declaration Data Sheet

Average Weight: 7.032g

| Component | Substance Description | CAS# or Description | % of Component | Use in Product | Component Weight/ Substance Weight (in grams) | Component % of Total |
|----------------------------|-----------------------|---------------------|----------------|----------------|---|-------------------------|
| Silicon Die | | | | | 0.0291 | 0.41% |
| | Silicon | 7440-21-3 | 100.00 | | 0.0291 | |
| Die Attach Material | | | | | 0.004 | 0.05% |
| | Resin | Trade Secret | 25.00 | | 0.001 | |
| | Silver | 7440-22-4 | 75.00 | | 0.003 | |
| Mold Compound | | | | | 0.2374 | 3.38% |
| | Resin | Trade Secret | 26.00 | | 0.062 | |
| | Silica | 60676-86-0 | 74.00 | | 0.176 | |
| Dam | | | | | 0.0088 | 0.12% |
| | Proprietary | Trade Secret | 27.00 | | 0.002376 | |
| | Silica | 60676-86-0 | 73.00 | | 0.006424 | |
| Laminate | | | | | 0.647 | 9.06% |
| | Copper | 7440-50-8 | | Metal Layer | 0.101 | |
| | Nickel | 7440-02-0 | | Metal Layer | 0.006 | |
| | Gold | 7440-57-5 | | Metal Layer | 0.002 | |
| | Board | Trade Secret | | | 0.396 | |
| | Solder Mask (EP) | Trade Secret | | | 0.142 | |
| Heat Sink | | | | | 5.252 | 74.85% |
| | Copper | 7440-50-8 | 100.00 | | 5.252 | |
| Heat Sink Plating | | | | | 0.2243 | 3.19% |
| | Nickel | 7440-02-0 | 100.00 | | 0.2243 | |
| Gold Wire | | | | | 0.0224 | 0.32% |
| | Gold | 7440-57-5 | 100.00 | | 0.0224 | |
| Solder Balls | | | | | 0.606 | 8.62% |
| | Tin | 7440-31-5 | 95.50 | | 0.579 | |
| | Silver | 7440-22-4 | 4.00 | | 0.024 | |
| | Copper | 7440-50-8 | 0.50 | | 0.003 | |

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Revision History

The following table shows the revision history for this document.

| Date | Revision | Revision |
|---------|----------|---------------------------------|
| 10/5/06 | 1.0 | Initial release. |
| 1/8/07 | 1.0.1 | Corrected Gold Wire CAS# entry. |