



100% Material Declaration Data Sheet CSG144

PK103 (v1.2) September 28, 2006

Material Declaration Data Sheet

Average Weight: 0.3 g

| Component | Substance Description | CAS# or Description | % of Component | Use in Product | Component Weight/ Substance Weight (in grams) | Component % of Total |
|----------------------------|-----------------------|---------------------|----------------|----------------|---|-------------------------|
| Silicon Die | | | | | 0.01818 | 6.06% |
| | Silicon | 7440-21-3 | 100.00 | | 0.01818 | |
| Die Attach Material | | | | | 0.00099 | 0.33% |
| | Silver | 7440-22-4 | 52.00 | | 0.0005148 | |
| | Resin (EP) | Trade Secret | 48.00 | | 0.0004752 | |
| Encapsulant | | | | | 0.15591 | 51.97% |
| | Epoxy Resins | Trade Secret | 6.00 | | 0.0093546 | |
| | Phenolic Resins | Trade Secret | 6.00 | | 0.0093546 | |
| | Carbon Black | 1333-86-4 | 0.50 | | 0.00077955 | |
| | Silica | 60676-86-0 | 84.00 | | 0.1309644 | |
| | Bismuth | 7440-69-9 | Max 1.00 | | 0.0015591 | |
| | Metal Hydroxide | Trade Secret | 2.50 | | 0.00389775 | |
| Tape | | | | | 0.01794 | 5.98% |
| | Polymide | Trade Secret | 41.51 | | 0.007446894 | |
| | Adhesive | Trade Secret | 58.49 | | 0.010493106 | |
| Metal Layers | | | | | 0.03285 | 10.95% |
| | Copper | 7440-50-8 | 88.32 | | 0.02901312 | |
| | Nickel | 7440-02-0 | 7.90 | | 0.00259515 | |
| | Gold | 7440-57-5 | 3.78 | | 0.00124173 | |
| Bond Wire | | | | | 0.00261 | 0.87% |
| | Gold | 7440-57-5 | 100.00 | | 0.00261 | |
| Solder Balls | | | | | 0.07152 | 23.84% |
| | Tin | 7440-31-5 | 95.50 | | 0.0683016 | |
| | Silver | 7440-22-4 | 4.00 | | 0.0028608 | |
| | Copper | 7440-50-8 | 0.50 | | 0.0003576 | |

PK103 (v1.2) September 28, 2006

www.xilinx.com

1

Revision History

The following table shows the revision history for this document.

| Date | Revision | Revision |
|---------|----------|---------------------------------|
| 3/20/06 | 1.0 | Initial release. |
| 6/29/06 | 1.1 | 100% Material Declaration. |
| 9/28/06 | 1.2 | Updated component descriptions. |