



Material Composition Sheet

Product: GS9002ACPM
 Package Type: PLCC-44pin (28/tube)
 Manufacturer: Gennum Corporation

Date: 06-Dec-2006

| Component | BOM | Weight of Component (mg) | Substance | Weight of Substance (mg) | Homogeneous Material | |
|----------------------|-------------|--------------------------|------------------------|--------------------------|----------------------|---------|
| | | | | | % | ppm |
| Chip | | 9.99 | Al | 0.06 | 0.60 | 6006 |
| | | | Si | 9.93 | 99.39 | 993994 |
| | | | Sub-total: | 9.99 | 99.99 | 1000000 |
| Die Attach | 84-1 LMISR4 | 2.30 | Aromatic Amine | 0.13 | 5.65 | 56522 |
| | | | Epoxy Resin | 0.39 | 16.95 | 169565 |
| | | | Silver | 1.78 | 77.39 | 773913 |
| | | | Sub-total: | 2.30 | 99.99 | 1000000 |
| External Lead Finish | | 12.25 | Pb | 1.96 | 16.00 | 160000 |
| | | | Sn | 10.29 | 84.00 | 840000 |
| | | | Sub-total: | 12.25 | 100.00 | 1000000 |
| Internal Lead Finish | | 1.78 | Ag | 1.78 | 100.00 | 1000000 |
| | | | Sub-total: | 1.78 | 100.00 | 1000000 |
| Leadframe | Olin 151 | 599.08 | Cu | 598.48 | 99.89 | 998998 |
| | | | Zn | 0.60 | 0.10 | 1002 |
| | | | Sub-total: | 599.08 | 99.99 | 1000000 |
| Marking Ink | Wieder W238 | 0.15 | | 0.00 | 0.00 | 0 |
| | | | Sub-total: | 0.00 | 0.00 | 0 |
| Mold Compound | EME 6300H | 1731.56 | Antimony Trioxide | 51.95 | 3.00 | 30002 |
| | | | Brominated Epoxy Resin | 34.63 | 1.99 | 19999 |
| | | | Carbon Black | 5.19 | 0.29 | 2997 |
| | | | Epoxy Cresol Novolac | 242.42 | 14.00 | 140001 |
| | | | Phenol/Novolac resin | 98.70 | 5.70 | 57001 |
| | | | Silica Fused | 1298.67 | 75.00 | 750000 |
| | | | Sub-total: | 1731.56 | 99.98 | 1000000 |
| Wires | SGA3 | 2.03 | Au | 2.03 | 100.00 | 1000000 |
| | | | Sub-total: | 2.03 | 100.00 | 1000000 |
| Total: | | 2359.14 | | | | |

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