



Material Composition Sheet

Product: GS9025ACQM
 Package Type: MQFP-44pin (96/tray)
 Manufacturer: Gennum Corporation

Date: 11-Dec-2006

| Component | BOM | Weight of Component (mg) | Substance | Weight of Substance (mg) | Homogeneous Material | |
|----------------------|------------|--------------------------|----------------------|--------------------------|----------------------|---------|
| | | | | | % | ppm |
| Chip | | 4.70 | Al | 0.03 | 0.63 | 6383 |
| | | | Si | 4.67 | 99.36 | 993617 |
| | | | Sub-total: | 4.70 | 99.99 | 1000000 |
| Die Attach | 84-1 LMISR | 1.52 | Ag | 1.18 | 77.63 | 776316 |
| | | | Aromatic Amine | 0.10 | 6.57 | 65789 |
| | | | Epoxy Resin | 0.24 | 15.78 | 157895 |
| | | | Sub-total: | 1.52 | 99.98 | 1000000 |
| Lead Finish External | | 3.23 | Pb | 0.65 | 20.12 | 201238 |
| | | | Sn | 2.58 | 79.87 | 798762 |
| | | | Sub-total: | 3.23 | 99.99 | 1000000 |
| Lead Finish Internal | | 2.30 | Ag | 2.30 | 100.00 | 1000000 |
| | | | Sub-total: | 2.30 | 100.00 | 1000000 |
| Leadframe | OLIN 7025 | 166.98 | Cu | 157.56 | 94.35 | 943586 |
| | | | Fe | 0.33 | 0.19 | 1976 |
| | | | Mg | 0.29 | 0.17 | 1737 |
| | | | Mn | 0.17 | 0.10 | 1018 |
| | | | Ni | 5.34 | 3.19 | 31980 |
| | | | Pb | 0.08 | 0.04 | 479 |
| | | | Si | 1.21 | 0.72 | 7246 |
| | | | Silver (Plating) | 0.33 | 0.19 | 1976 |
| | | | Zn | 1.67 | 1.00 | 10001 |
| | | | Sub-total: | 166.98 | 99.95 | 999999 |
| | | | Marking Ink | Teca 460 | 0.01 | |
| Sub-total: | 0.00 | 0.00 | | | | 0 |
| Mold Compound | EME 7320 | 286.00 | Antimony Trioxide | 7.72 | 2.69 | 26993 |
| | | | BrominatedEpoxyResin | 5.72 | 2.00 | 20000 |
| | | | Carbon Black | 0.86 | 0.30 | 3007 |
| | | | Epoxy Cresol Novolac | 38.61 | 13.50 | 135000 |
| | | | Phenol/Novolac resin | 18.59 | 6.50 | 65000 |
| | | | SiO2 | 214.50 | 75.00 | 750000 |
| | | | Sub-total: | 286.00 | 99.99 | 1000000 |
| Wires | | 2.20 | Au | 2.20 | 100.00 | 1000000 |
| | | | Sub-total: | 2.20 | 100.00 | 1000000 |
| Total: | | 466.94 | | | | |

GENNUM CORPORATION

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