



Material Composition Sheet

Product: GS1515-CQM
 Package Type: MQFP-44 Pin (96/tray)
 Manufacturer: Gennum Corporation

Date: 06-Dec-2006

| Component | BOM | Weight of Component (mg) | Substance | Weight of Substance (mg) | Homogeneous Material | |
|----------------------|------------|--------------------------|-------------------------|--------------------------|----------------------|---------|
| | | | | | % | ppm |
| Chip | | 6.73 | Al | 0.04 | 0.59 | 5944 |
| | | | Si | 6.69 | 99.40 | 994056 |
| | | | Sub-total: | 6.73 | 99.99 | 1000000 |
| Die Attach | 8360 | 1.56 | Ag | 1.17 | 75.00 | 750000 |
| | | | Curing agent & hardener | 0.08 | 5.12 | 51282 |
| | | | Epoxy Resin | 0.31 | 19.87 | 198718 |
| | | | Sub-total: | 1.56 | 99.99 | 1000000 |
| Lead Finish External | | 9.40 | Pb | 1.41 | 15.00 | 150000 |
| | | | Sn | 7.99 | 85.00 | 850000 |
| | | | Sub-total: | 9.40 | 100.00 | 1000000 |
| Lead Finish Internal | | 2.31 | Ag | 2.31 | 100.00 | 1000000 |
| | | | Sub-total: | 2.31 | 100.00 | 1000000 |
| Leadframe | Alloy 42 | 115.70 | Fe | 67.11 | 58.00 | 580035 |
| | | | Ni | 48.59 | 41.99 | 419965 |
| | | | Sub-total: | 115.70 | 99.99 | 1000000 |
| | | | | | | |
| Marking Ink | Teca 261 | 0.01 | | 0.00 | 0.00 | 0 |
| | | | Sub-total: | 0.00 | 0.00 | 0 |
| Mold Compound | EME 6600CS | 359.69 | Antimony Trioxide | 7.19 | 1.99 | 19989 |
| | | | Bromine | 2.16 | 0.60 | 6005 |
| | | | Epoxy Resin | 35.97 | 10.00 | 100003 |
| | | | Phenol Resin | 23.02 | 6.39 | 64000 |
| | | | Silica Fused | 291.35 | 81.00 | 810003 |
| | | | Sub-total: | 359.69 | 99.98 | 1000000 |
| Wires | MGFL1-B | 1.00 | Au | 1.00 | 100.00 | 1000000 |
| | | | Sub-total: | 1.00 | 100.00 | 1000000 |
| Total: | | 496.40 | | | | |

GENNUM CORPORATION

Mailing Address: P.O. Box 489, Stn. A, Burlington, Ontario, Canada L7R 3Y3
 Shipping Address: 970 Fraser Drive, Burlington, Ontario, Canada L7L 5P5
 Tel. +1 (905) 632-2996 Fax. +1 (905) 632-5946

www.gennum.com

The information contained in this document describes the homogeneous material composition of this product according to the definition set forth in the EU RoHS Directive 2002/95/EC. This information may have been derived from calculations based on information obtained from our suppliers. Gennum Corporation assumes no liability for any errors or omissions in this document. Gennum reserves the right to make changes to this document at any time without notice.