



Material Composition Sheet

Product: GS1504-CKD
 Package Type: SOIC-16N (50/tube)
 Manufacturer: Gennum Corporation

Date: 06-Dec-2006

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material	
					%	ppm
Chip		2.72	Al	0.02	0.73	7353
			Si	2.70	99.26	992647
			Sub-total:	2.72	99.99	1000000
Die Attach	Ablebond 84-1 LMISR4	0.16	Aromatic Amine	0.01	6.25	62500
			Epoxy Resin	0.03	18.75	187500
			Silver	0.12	75.00	750000
			Sub-total:	0.16	100.00	1000000
Lead Finish External		1.57	Pb	0.39	24.84	248408
			Sn	1.18	75.15	751592
			Sub-total:	1.57	99.99	1000000
Lead Finish Internal		0.30	Ag	0.30	100.00	1000000
			Sub-total:	0.30	100.00	1000000
Leadframe	Olin 194FH	54.25	Cu	52.89	97.49	974931
			Fe	1.27	2.34	23410
			P	0.02	0.03	369
			Zn	0.07	0.12	1290
			Sub-total:	54.25	99.98	1000000
Marking Ink	Wieder W238	0.01		0.00	0.00	0
			Sub-total:	0.00	0.00	0
Mold Compound	EME 6300H	91.80	Antimony Trioxide	2.75	2.99	29956
			BrominatedEpoxyResin	1.84	2.00	20044
			Carbon Black	0.28	0.30	3050
			Epoxy Cresol Novolac	14.69	16.00	160022
			Phenol/Novolac resin	5.23	5.69	56972
			Silica Fused	67.01	72.99	729956
			Sub-total:	91.80	99.97	1000000
Wires	SGA3	0.41	Au	0.41	100.00	1000000
			Sub-total:	0.41	100.00	1000000
Total:		151.22				

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.