



Material Composition Sheet

Product: GS1524ACTDE3
 Package Type: SOIC-16L taped (250/reel)
 Manufacturer: Gennum Corporation

Date: 06-Dec-2006

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material	
					%	ppm
Chip		1.77	Al	0.01	0.56	5650
			Si	1.76	99.43	994350
			Sub-total:	1.77	99.99	1000000
Die Attach	CRM1076R	0.19	Ag	0.14	73.68	736842
			Epoxy Resin	0.05	26.31	263158
			Sub-total:	0.19	99.99	1000000
Lead Finish External		1.43	Sn	1.43	100.00	1000000
			Sub-total:	1.43	100.00	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 G600	95.71	Carbon Black	0.29	0.30	3030
			Epoxy Cresol Novolac	3.83	4.00	40017
			Epoxy Resin	5.45	5.69	56943
			Phenol Resin	4.79	5.00	50047
			SiO2	81.35	84.99	849963
			Sub-total:	95.71	99.98	1000000
Wires	SGA3	0.41	Au	0.41	100.00	1000000
			Sub-total:	0.41	100.00	1000000
Total:		154.07				

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.