



Material Composition Sheet

Product: GS9022ACTJ
 Package Type: PLCC-28 tape (750/reel)
 Manufacturer: Gennum Corporation

Date: 11-Dec-2006

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material	
					%	ppm
Chip		8.92	Al	0.05	0.56	5605
			Si	8.87	99.43	994395
			Sub-total:	8.92	99.99	1000000
Die Attach	84-1 LMISR4	2.21	Aromatic Amine	0.12	5.42	54299
			Epoxy Resin	0.38	17.19	171946
			Silver	1.71	77.37	773756
			Sub-total:	2.21	99.98	1000001
External Lead Finish		8.14	Pb	2.03	24.93	249386
			Sn	6.11	75.06	750614
			Sub-total:	8.14	99.99	1000000
Internal Lead Finish		0.65	Ag	0.65	100.00	1000000
			Sub-total:	0.65	100.00	1000000
Leadframe	Olin 151	310.34	Cu	310.03	99.90	999001
			Zn	0.31	0.09	999
			Sub-total:	310.34	99.99	1000000
Marking Ink	Wieder W238	0.10		0.00	0.00	0
			Sub-total:	0.00	0.00	0
Mold Compound	EME 6300H	811.76	Antimony Trioxide	24.35	2.99	29997
			Brominated Epoxy Resin	16.24	2.00	20006
			Carbon Black	2.44	0.30	3006
			Epoxy Cresol Novolac	129.88	15.99	159998
			Phenol/Novolac resin	46.27	5.69	57000
			Silica Fused	592.58	72.99	729994
			Sub-total:	811.76	99.96	1000001
Wires	SGA3	1.13	Au	1.13	100.00	1000000
			Sub-total:	1.13	100.00	1000000
Total:		1143.25				

GENNUM CORPORATION

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