



## Material Composition Sheet

Product: GS4911BCNE3  
 Package Type: QFN-64 pin (160/tray)  
 Manufacturer: Gennum Corporation

Date: 16-Jan-2007

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material	
					%	ppm
Die		7.79	Al	0.05	0.64	6418
			Si	7.74	99.35	993582
			Sub-total:	7.79	99.99	1000000
Die Attach	CRM 1076DS	1.17	Ag	0.90	76.92	769231
			Epoxy Resin	0.15	12.82	128205
			Epoxy Silane	0.01	0.85	8547
			Phenol Resin	0.03	2.56	25641
			t-Butylphenylglycidil ether	0.08	6.83	68376
			Sub-total:	1.17	99.98	1000000
Internal Pad Plating		1.69	Ag	1.69	100.00	1000000
			Sub-total:	1.69	100.00	1000000
Leadframe		117.14	Cu	112.69	96.20	962011
			Mg	0.18	0.15	1537
			Ni	3.51	2.99	29964
			Si	0.76	0.64	6488
			Sub-total:	117.14	99.98	1000000
Marking Ink		0.00		0.00	0.00	0
			Sub-total:	0.00	0.00	0
Mold Compound	EME G770HC	102.53	Carbon Black	0.51	0.49	4974
			Epoxy Resin A	4.61	4.49	44962
			Epoxy Resin B	4.61	4.49	44962
			Metal Hydroxide	2.05	1.99	19994
			Phenol Resin	4.61	4.49	44962
			SiO2	86.14	84.01	840144
			Sub-total:	102.53	99.96	999998
Terminals Finish		5.26	Sn	5.26	100.00	1000000
			Sub-total:	5.26	100.00	1000000
Wires	AW88	1.79	Au	1.79	100.00	1000000
			Sub-total:	1.79	100.00	1000000
<b>Total:</b>		<b>237.37</b>				

### GENNUM CORPORATION

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