



Material Composition Sheet

Product: GS1561-CFE3
 Package Type: LQFP-80 Pin
 Manufacturer: Gennum Corporation

Date: 11-Apr-2007

Component	BOM	Weight of Component (mg)	Substance	Weight of Substance (mg)	Homogeneous Material	
					%	ppm
Die		16.10	Al	0.10	0.62	6211
			Si	16.00	99.37	993789
			Sub-total:	16.10	99.99	1000000
Die Attach	2288A	2.19	Ag	1.77	80.82	808219
			Cycloaliphatic compound	0.04	1.82	18265
			Di-ester Resin	0.15	6.84	68493
			Epoxy Resin	0.07	3.19	31963
			Functionalized ester resin	0.04	1.82	18265
			Functionalized urethane resin	0.04	1.82	18265
			Metal Oxide	0.04	1.82	18265
			Polymeric material	0.04	1.82	18265
			Sub-total:	2.19	99.95	1000000
Lead Finish External		18.35	Sn	18.35	100.00	1000000
			Sub-total:	18.35	100.00	1000000
Lead Finish Internal		0.65	Ag	0.65	100.00	1000000
			Sub-total:	0.65	100.00	1000000
Leadframe	Olin 7025	155.10	Cu	149.21	96.20	962025
			Mg	0.23	0.14	1483
			Ni	4.65	2.99	29981
			Si	1.01	0.65	6512
			Sub-total:	155.10	99.98	1000001
Mold Compound	CEL9200THF	482.73	Aromatic Phosphate	7.24	1.49	14998
			Carbon Black	2.41	0.49	4992
			Epoxy Resin	26.55	5.49	55000
			Phenol	19.31	4.00	40002
			SiO2	427.22	88.50	885008
			Sub-total:	482.73	99.97	1000000
Wires	MGFL1-B	1.13	Au	1.13	100.00	1000000
			Sub-total:	1.13	100.00	1000000
Total:		676.25				

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.