



## ALLIANCE MEMORY MATERIAL DECLARATION

			PART NUMBER: AS4C128M16MD4-062BAN					
			Approved by: quality@alliancememory.com			PART WEIGHT (mg)		201.559
No.	Part Name	Material Name	Material Content (Element)	CAS Number	Material Mass (mg)	Material Mass (%)	Substance wt (%)	Substance wt (mg)
1	Chip	Silicon	Silica	7440-21-3	17.233	8.550%	100%	17.233
2	Substrate	Resin	Thermosetting resin with fiber glass	Trade secret	34.205	16.970%	22.600%	7.730
			Copper	7440-50-8			41.009%	14.027
			Au	7440-57-5			0.909%	0.311
			Nickel	7440-02-0			8.182%	2.799
			Acrylic resin	Trade secret			12.090%	4.135
			Epoxy resin	Trade secret			6.045%	2.068
			Talc containing no asbestos	14807-96-6			2.567%	0.878
			Barium Sulfate	7727-43-7			4.031%	1.379
			Silica, amorphous	7631-86-9			2.567%	0.878
3	Die attach film	Epoxy	Phenol Resin	Trade secret	1.995	0.990%	20.00%	0.399
			Amorphous Silica	7631-86-9			80.00%	1.596
4	Bonding wire	Metal	Au	7440-57-5	0.322	0.160%	99.00%	0.319
			Pd	7440-05-3			1.00%	0.003
5	Molding Compound	Resin	Epoxy Resin	Trade secret	119.948	59.510%	6.00%	7.197
			Phenol Resin	Trade secret			6.00%	7.197
			Carbon Black	1333-86-4			0.30%	0.360
			Silica	60676-86-0			87.70%	105.194
6	Solder ball	Metal	Sn	7440-31-5	27.855	13.820%	96.50%	26.881
			Ag	7440-22-4			3.00%	0.836
			Cu	7440-50-8			0.50%	0.139

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