



ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C32M16SB-7TIN / AS4C32M16SB-7TCN / AS4C32M16SB-6TIN							
Part Weight:		550.146mg							
No.	Part Name	Material Name	Component wt (mg)	Material Content (Element)	CAS Number	Element wt (%)	Element wt (mg)	wt % of Total unit wt	PPM
1	Lead Frame	A42	122.5	Carbon	7440-44-0	0.05%	0.0613	0.01%	500
				Silicon	7440-21-3	0.30%	0.3675	0.07%	3000
				Manganese	7439-96-5	0.80%	0.9800	0.18%	8000
				Nickel	7440-02-0	41.70%	51.0825	9.29%	417000
				Chromium	7440-47-3	0.10%	0.1225	0.02%	1000
				Cobalt	7440-48-4	0.50%	0.6125	0.11%	5000
				Aluminium	7429-90-5	0.10%	0.1225	0.02%	1000
				Iron	7439-89-6	54.45%	66.7013	12.12%	544500
2	Mold compound	CEL-9200HF	417.7835	Silver	7440-22-4	2.00%	2.4500	0.45%	20000
				Epoxy resin	Trade Secret	4.00%	16.7113	3.04%	40000
				Hardener	Trade secret	4.00%	16.7113	3.04%	40000
				Carbon Black	1333-86-4	0.20%	0.8356	0.15%	2000
				Amorphous silica	60676-86-0	88.50%	369.7384	67.21%	885000
3	Epoxy	EN-4900GC	0.4383	Crystalline silica	14808-60-7	3.30%	13.7869	2.51%	33000
				Acrylic resin	Trade secret	9.50%	0.0416	0.01%	95000
				Polybutadiene derivative	Trade secret	5.00%	0.0219	0.00%	50000
				Butadiene copolymer	Trade secret	1.50%	0.0066	0.00%	15000
				Epoxy resin	Trade secret	2.00%	0.0088	0.00%	20000
				Acrylate	Trade secret	5.00%	0.0219	0.00%	50000
				Peroxide	Trade secret	0.50%	0.0022	0.00%	5000
				Additive	Trade secret	1.30%	0.0057	0.00%	13000
4	Plating	Sn	1.7346	Silver	7440-22-4	75.20%	0.3296	0.06%	752000
				Tin	7440-31-5	99.99%	1.7344	0.32%	999900
				Impurity	Trade secret	0.01%	0.0002	0.00%	100
5	Gold wire	Au	0.3948	Gold	7440-57-5	99.99%	0.3947	0.07%	999900
				Others	Trade Secret	0.01%	0.0000	0.00%	100
6	Die	Chip	7.2948	Silicon	7440-21-3	100.00%	7.2948	1.33%	1000000
			550.146			600.00%	550.1460	100.00%	6000000