



ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C64M16D1A-6TCN/AS4C64M16D1A-6TIN							
Part Weight:		564.514mg							
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	126.31	Carbon	7440-44-0	0.05%	0.06316	0.01%	500
				Silicon	7440-21-3	0.30%	0.37893	0.07%	3000
				Manganese	7439-96-5	0.80%	1.01048	0.18%	8000
				Nickel	7440-02-0	41.70%	52.67127	9.33%	417000
				Chromium	7440-47-3	0.10%	0.12631	0.02%	1000
				Cobalt	7440-48-4	0.50%	0.63155	0.11%	5000
				Aluminium	7429-90-5	0.10%	0.12631	0.02%	1000
				Iron	7439-89-6	54.45%	68.77580	12.18%	544500
2	Mold compound	CEL-9200HF	418.77867	Silver	7440-22-4	2.00%	2.52620	0.45%	20000
				Epoxy resin	Trade Secret	4.00%	16.75115	2.97%	40000
				Hardener	Trade secret	4.00%	16.75115	2.97%	40000
				Carbon Black	1333-86-4	0.20%	0.83756	0.15%	2000
				Amorphous silica	60676-86-0	88.50%	370.61912	65.65%	885000
3	Epoxy	EN-4900GC	1.07588	Crystalline silica	14808-60-7	3.30%	13.81970	2.45%	33000
				Acrylic resin	Trade secret	9.50%	0.10221	0.02%	95000
				Polybutadiene derivative	Trade secret	5.00%	0.05379	0.01%	50000
				Butadiene copolymer	Trade secret	1.50%	0.01614	0.00%	15000
				Epoxy resin	Trade secret	2.00%	0.02152	0.00%	20000
				Acrylate	Trade secret	5.00%	0.05379	0.01%	50000
				Peroxide	Trade secret	0.50%	0.00538	0.00%	5000
				Additive	Trade secret	1.30%	0.01399	0.00%	13000
4	Plating	Sn	1.55121	Silver	7440-22-4	75.20%	0.80906	0.14%	752000
				Tin	7440-31-5	99.99%	1.55105	0.27%	999900
5	Gold wire	Au	0.68304	Impurity	Trade secret	0.01%	0.00016	0.00%	100
				Gold	7440-57-5	99.99%	0.68297	0.12%	999900
				Others	Trade Secret	0.01%	0.00007	0.00%	100
6	Die	Chip	16.1152	Silicon	7440-21-3	100.00%	16.11520	2.85%	1000000
564.514				600.00%		564.51400		100.00%	6000000