



## ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C8M32S-6TIN AS4C8M32S-7TCN							
Part Weight:		545.3mg							
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	115.2	Carbon	7440-44-0	0.05%	0.05760	0.01%	500
				Silicon	7440-21-3	0.30%	0.34560	0.06%	3000
				Manganese	7439-96-5	0.80%	0.92160	0.17%	8000
				Nickel	7440-02-0	41.70%	48.03840	8.81%	417000
				Chromium	7440-47-3	0.10%	0.11520	0.02%	1000
				Cobalt	7440-48-4	0.50%	0.57600	0.11%	5000
				Aluminium	7429-90-5	0.10%	0.11520	0.02%	1000
				Iron	7439-89-6	54.45%	62.72640	11.50%	544500
				Silver	7440-22-4	2.00%	2.30400	0.42%	20000
2	Mold compound	CEL-9200HF	419.94426	Epoxy resin	Trade Secret	4.00%	16.79777	3.08%	40000
				Hardener	Trade secret	4.00%	16.79777	3.08%	40000
				Carbon Black	1333-86-4	0.20%	0.83989	0.15%	2000
				Amorphous silica	60676-86-0	88.50%	371.65067	68.16%	885000
				Crystalline silica	14808-60-7	3.30%	13.85816	2.54%	33000
3	Epoxy	EB-4900GC	0.52209	Acrylic resin	Trade secret	9.50%	0.04960	0.01%	95000
				Polybutadiene derivative	Trade secret	5.00%	0.02610	0.00%	50000
				Butadiene copolymer	Trade secret	1.50%	0.00783	0.00%	15000
				Epoxy resin	Trade secret	2.00%	0.01044	0.00%	20000
				Acrylate	Trade secret	5.00%	0.02610	0.00%	50000
				Peroxide	Trade secret	0.50%	0.00261	0.00%	5000
				Additive	Trade secret	1.30%	0.00679	0.00%	13000
				Silver	7440-22-4	75.20%	0.39261	0.07%	752000
4	Plating	Sn	1.18444	Tin	7440-31-5	99.99%	1.18432	0.22%	999900
				Other	Trade secret	0.01%	0.00012	0.00%	100
5	Gold wire	Au	0.62901	Gold	7440-57-5	99.99%	0.62895	0.12%	999900
				Others	Trade Secret	0.01%	0.00006	0.00%	100
6	Die	Chip	7.8202	Silicon	7440-21-3	100.00%	7.82020	1.43%	1000000
			545.3			600.00%	545.30000	100.00%	6000000