



ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C8M16D1A-5TCN AS4C8M16D1A-5TIN							
Part Weight:		563.8167mg							
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	180.3	Carbon	7440-44-0	0.02%	0.0361	0.01%	200
				Silicon	7440-21-3	0.30%	0.5409	0.10%	3000
				Manganese	7439-96-5	0.80%	1.4424	0.26%	8000
				Nickel	7440-02-0	41.00%	73.9230	13.11%	410000
				Chromium	7440-47-3	0.10%	0.1803	0.03%	1000
				Cobalt	7440-48-4	0.50%	0.9015	0.16%	5000
				Aluminium	7429-90-5	0.10%	0.1803	0.03%	1000
				Iron	7439-89-6	55.18%	99.4895	17.65%	551800
				Silver	7440-22-4	2.00%	3.6060	0.64%	20000
2	Mold compound	CEL-9200HF	377.5978	Epoxy Resin	Trade Secret	4.50%	16.9919	3.01%	45000
				Phenol Resin	Trade Secret	4.50%	16.9919	3.01%	45000
				Metal Hydroxide	Trade Secret	4.00%	15.1039	2.68%	40000
				Carbon Black	1333-86-4	0.20%	0.7552	0.13%	2000
				Silica	60676-86-0	85.80%	323.9789	57.46%	858000
				Other	Trade Secret	1.00%	3.7760	0.67%	10000
3	Epoxy	EN-4900GC	0.634	Acrylic Resin	Trade Secret	8.50%	0.0539	0.01%	85000
				Polybutadiene Derivative	Trade Secret	5.50%	0.0349	0.01%	55000
				Butadiene Copolymer	Trade Secret	2.00%	0.0127	0.00%	20000
				Epoxy Resin	Trade Secret	2.50%	0.0159	0.00%	25000
				Acrylate	Trade Secret	5.50%	0.0349	0.01%	55000
				Silver	7440-22-4	76.00%	0.4818	0.09%	760000
4	Plating	Sn	1.5512	Tin	7440-31-5	99.80%	1.5481	0.27%	998000
				Impurity	Trade Secret	0.20%	0.0031	0.00%	2000
5	Gold Wire	Au	0.6925	Gold	7440-57-5	99.99%	0.6924	0.12%	999900
				Impurity	Trade Secret	0.01%	0.0001	0.00%	100
6	Die	Chip	3.0412	Silicon	7440-21-3	100.00%	3.0412	0.54%	1000000
563.8167				600.00%		563.8167	100.00%	6000000	