



ALLIANCE MEMORY MDS REPORT

Part Number:			AS4C8M16SB-6TIN							
Part Weight:			556.38mg							
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	Alloy 42	104.8	Manganese	7439-96-5	0.80%	0.83840	0.15%	8000	
				Nickel	7440-02-0	41.00%	42.96800	7.72%	410000	
				Chromium	7440-47-3	0.20%	0.20960	0.04%	2000	
				Cobalt	7440-48-4	0.50%	0.52400	0.09%	5000	
				Iron	7439-89-6	55.50%	58.16400	10.45%	555000	
				Silver	7440-22-4	2.00%	2.09600	0.38%	20000	
2	Mold compound	9200HF	445.7736	2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bis-oxirane	Trade Secret	5.40%	24.07177	4.33%	54000	
				Hardener	Trade Secret	5.40%	24.07177	4.33%	54000	
				Carbon Black	1333-86-4	0.20%	0.89155	0.16%	2000	
				Amorphous Silica	60676-86-0	88.55%	394.73252	70.95%	885500	
				Quartz (SiO2)	14808-60-7	0.45%	2.00598	0.36%	4500	
3	Epoxy	EN-4900GC	0.2192	Acrylic resin	Trade secret	8.00%	0.01754	0.00%	80000	
				Polybutadiene derivative	Trade secret	5.00%	0.01096	0.00%	50000	
				Butadiene copolymer	Trade secret	2.00%	0.00438	0.00%	20000	
				Acrylate	Trade secret	5.00%	0.01096	0.00%	50000	
				Epoxy resin	Trade secret	2.00%	0.00438	0.00%	20000	
				Peroxide	Trade secret	1.00%	0.00219	0.00%	10000	
				Additive	Trade secret	2.00%	0.00438	0.00%	20000	
				Silver	7440-22-4	75.00%	0.16440	0.03%	750000	
4	Plating	99.99%Sn	1.7346	Tin	7440-31-5	99.99%	1.73443	0.31%	999900	
				Other	Trade secret	0.01%	0.00017	0.00%	100	
5	Gold wire	Au	0.57	Gold	7440-57-5	99.99%	0.56994	0.10%	999900	
				Others	Trade Secret	0.01%	0.00006	0.00%	100	
6	Die	Chip	3.2826	Silicon	7440-21-3	100.00%	3.28260	0.59%	1000000	
			556.38				600.00%	556.38000	100.00%	6000000