



ALLIANCE MEMORY MDS REPORT

Part Description:		AS4C64M16D1-6TCN / AS4C64M16D1-6TIN							
Wieght (mg):		568.467 mg							
No.	Part Name	Material Name	Material mass (mg)	Substance in Materials	CAS Number	Element wt (%)	Element wt (mg)	wt % of total unit wt	PPM
1	Chip	Silicon	29.352	Silicon (Si)	7440-21-3	100.00%	29.35	5.163%	1000000
2	Leadframe	Metal	129.224	Silicon(Si)	7440-21-3	0.125%	0.162	0.028%	1250
				Carbon(C)	7440-44-0	0.025%	0.032	0.006%	250
				Manganese(Mn)	7439-96-5	0.350%	0.452	0.080%	3500
				Nickel(Ni)	7440-02-0	21.000%	27.137	4.774%	210000
				Iron(Fe)	7439-89-6	28.500%	36.829	6.479%	285000
				Silver(Ag)	7440-22-4	50.000%	64.612	11.366%	500000
3	Mold compound	Epoxy	402.65	others	Trade Secret	0.7%	2.819	0.496%	7000
				Silicon(Si)	7440-21-3	82.0%	330.173	58.081%	820000
				Carbon Black	1333-86-4	0.3%	1.208	0.212%	3000
				Phenol resin	28453-20-5	8.0%	32.212	5.666%	80000
				Epoxy Resin	9003-36-5	9.0%	36.239	6.375%	90000
4	Leadframe-Lock tape	Resin	0.55	Polyimide	Trade secret	100.00%	0.55	1.100%	1000000
5	Solder Plating	Metal	6.26	Tin	7440-31-5	100.00%	6.26	1.100%	1000000
6	Gold Wire	Metal	0.436	Gold(Au)	7440-57-5	99.99%	0.436	0.077%	999900
				others	Trade secret	0.01%	0.000	0.000%	100