



Part Number:		AS4C32M16SA-7TIN / AS4C32M16SA-7TCN							
Weight (mg):		517.6 mg							
No.	Part Name	Material Name	Component wt (mg)	Substance in Materials	CAS Number	Element wt (%)	Element wt (mg)	wt % of Total unit wt	PPM
1	Leadframe	AL42-Ag	13.40	Iron (Fe)	7439-89-6	56.3310%	7.5484	1.46%	563310
				Nickel (Ni)	7440-02-0	42.211%	5.6562	1.09%	422105
				Carbon (C)	7440-44-0	0.007%	0.0009	0.00%	65
				Silicon (Si)	7440-21-3	0.147%	0.0197	0.00%	1470
				Manganese (Mn)	7439-96-5	0.393%	0.0526	0.01%	3925
				Chromium (Cr)	7440-47-3	0.049%	0.0065	0.00%	485
				Cobalt (Co)	7440-48-4	0.007%	0.0009	0.00%	65
				Aluminium (Al)	7429-90-5	0.049%	0.0066	0.00%	490
				Silver (Ag)	7440-22-4	0.800%	0.1072	0.02%	8000
2	Molding compound	SG-8300QS	476.60	Silica,vitreous	60676-86-0	85.00%	405.11	78.27%	850000
				Epoxy resin	85954-11-6	7.25%	34.5535	6.68%	72500
				Phenol resin	205830-20-2	5.14%	24.49724	4.73%	51400
				Carbon black	1333-86-4	0.79%	3.76514	0.73%	7900
				Others	1333-86-4	1.82%	8.67412	1.68%	18200
3	Die attached adhesive	WL0020-05AT	0.20	Acryl copolymer	Trade Secret	50.00%	0.1	0.02%	500000
				Epoxy1	29690-82-2	20.00%	0.04	0.01%	200000
				Epoxy2	29690-82-2	5.00%	0.01	0.00%	50000
				Hardner	Trade Secret	10.00%	0.02	0.00%	100000
				Silica	7631-86-9	15.00%	0.03	0.01%	150000
4	Solder Plating	Sn	13.20	Tin	7440-31-5	100.00%	13.20	2.55%	1000000
5	Gold Wire	Au	0.60	Au	7440-57-5	100.00%	0.60	0.12%	1000000
6	Chip	Silicon	13.60	Silicon	7440-21-3	100.00%	13.60	2.63%	1000000