



Part Number:		AS4C16M16S-7TCN/AS4C16M16S-6TCN/AS4C16M16S-6TIN/AS4C16M16S-6TAN								
Part Weight:		547.07mg								
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	123.35	Iron	7439-89-6	55.45%	68.486675	12.5189	554500	
				Nickel	7440-02-0	41.00%	50.4915	9.2294	410000	
				Carbon	7440-44-0	0.05%	0.061575	0.0113	500	
				Silicon	7440-21-3	0.30%	0.36945	0.0675	3000	
				Manganese	7439-96-5	1.00%	1.2315	0.2251	10000	
				Chromium	7440-47-3	0.10%	0.12315	0.0225	1000	
				Aluminium	7429-90-5	0.10%	0.12315	0.0225	1000	
				Silver	7440-22-4	2.00%	2.463	0.4502	20000	
2	Tape	HM-122U-FE100	0.3	Aromatic polyimide resin	Trade Secret	50.00%	0.15	0.0274	500000	
				Special heat resistant resin	Trade Secret	50.00%	0.15	0.0274	500000	
3	Mold compound	CEL-9200HF	408.1	Epoxy Resin	Trade Secret	7.00%	28.567	5.2218	70000	
				Phenol Resin	Trade Secret	6.00%	24.486	4.4758	60000	
				Carbon black	1333-86-4	0.20%	0.8162	0.1492	2000	
				Silica	60676-86-0	84.80%	346.0688	63.2586	848000	
				Others	Trade Secret	2.00%	8.162	1.4919	20000	
4	Plating	Sn	1.97	Tin	7440-31-5	99.80%	1.96606	0.3594	998000	
				Impurity	Trade Secret	0.20%	0.00394	0.0007	2000	
5	Gold wire	Au	0.35	Gold	7440-57-5	99.99%	0.349965	0.0640	999900	
				Impurity	Trade Secret	0.01%	0.000035	0.0000	100	
6	Die	Silicon	13	Silicon	7440-21-3	100.00%	13	2.3763	1000000	
			547.07				600.00%	547.07	100.0000	6000000