



Part Number:		AS4C4M16S-7TCN / AS4C4M16S-6TCN / AS4C4M16S-6TIN							
Part Weight:		552.85mg							
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	122	Iron	7439-89-6	54.95%	67.4895	12.21%	549500
				Nickel	7440-02-0	41.00%	49.61	8.97%	410000
				Carbon	7440-44-0	0.05%	0.0605	0.01%	500
				Silicon	7440-21-3	0.30%	0.363	0.07%	3000
				Manganese	7439-96-5	1.00%	1.21	0.22%	10000
				Chromium	7440-47-3	0.10%	0.121	0.02%	1000
				Cobalt	7440-48-4	0.50%	0.605	0.11%	5000
				Aluminium	7429-90-5	0.10%	0.121	0.02%	1000
				Silver	7440-22-4	2.00%	2.42	0.44%	20000
2	Mold compound	CEL-9200HF	417	Epoxy Resin	Trade Secret	7.00%	29.19	5.28%	70000
				Phenol Resin	Trade Secret	6.00%	25.02	4.53%	60000
				Carbon black	1333-86-4	0.20%	0.834	0.15%	2000
				Silica	60676-86-0	84.80%	353.616	63.96%	848000
				Others	Trade Secret	2.00%	8.34	1.51%	20000
3	Epoxy	EN-4900GC	0.7	Acrylic resin	Trade Secret	8.50%	0.0595	0.01%	85000
				Polybutadiene derivative	Trade Secret	5.50%	0.0385	0.01%	55000
				Butadiene copolymer	Trade Secret	2.00%	0.014	0.00%	20000
				Epoxy resin	Trade Secret	2.50%	0.0175	0.00%	25000
				Acrylate	Trade Secret	5.50%	0.0385	0.01%	55000
				Peroxide	Trade Secret	1.00%	0.007	0.00%	10000
				Additive	Trade Secret	2.00%	0.014	0.00%	20000
				Silver	7440-22-4	73.00%	0.511	0.09%	730000
4	Plating	Sn	8.1	Tin	7440-31-5	99.80%	8.0838	1.46%	998000
				Impurity	NA	0.20%	0.0162	0.00%	2000
5	Gold wire	Au	0.55	Gold	7440-57-5	99.99%	0.549945	0.10%	999900
				Impurity	NA	0.01%	0.000055	0.00%	100
6	Die	Chip	4.5	Silicon	7440-21-3	100.00%	4.5	0.81%	1000000
						600.00%	552.85	100.00%	6000000