



Part Number:		AS4C16M16SA-7TCN/AS4C16M16SA-6TCN/AS4C16M16SA-6TIN/AS4C16M16SA-6TAN								
Part Weight:		553.72mg								
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	161.5	Iron	7439-89-6	54.95%	88.74425	16.02691794	549500	
				Nickel	7440-02-0	41.00%	66.215	11.95820993	410000	
				Carbon	7440-44-0	0.05%	0.08075	0.014583183	500	
				Silicon	7440-21-3	0.30%	0.4845	0.087499097	3000	
				Manganese	7439-96-5	1.00%	1.615	0.291663657	10000	
				Chromium	7440-47-3	0.10%	0.1615	0.029166366	1000	
				Cobalt	7440-48-4	0.50%	0.8075	0.145831828	5000	
				Aluminium	7429-90-5	0.10%	0.1615	0.029166366	1000	
				Silver	7440-22-4	2.00%	3.23	0.583327313	20000	
2	Mold compound	CEL-9200HF	382.7141	Epoxy Resin	Trade Secret	4.50%	17.2221345	3.110260511	45000	
				Phenol Resin	Trade Secret	4.50%	17.2221345	3.110260511	45000	
				Metal Hydroxide	Trade Secret	4.00%	15.308564	2.76467601	40000	
				Carbon Black	1333-86-4	0.20%	0.7654282	0.1382338	2000	
				silica	60676-86-0	85.80%	328.3686978	59.3023004	858000	
				Other	Trade Secret	1.00%	3.827141	0.691169002	10000	
3	Epoxy	EN-4900GC	2.1042	Acrylic Resin	Trade Secret	8.50%	0.178857	0.032300982	85000	
				Polybutadiene Derivative	Trade Secret	5.50%	0.115731	0.020900636	55000	
				Butadiebe Copolymer	Trade Secret	2.00%	0.042084	0.007600231	20000	
				Epoxy Resin	Trade Secret	2.50%	0.052605	0.009500289	25000	
				Acrylate	Trade Secret	5.50%	0.115731	0.020900636	55000	
				Silver	7440-22-4	76.00%	1.599192	0.288808784	760000	
4	Plating	Sn	1.7346	Tin	7440-31-5	99.80%	1.7311308	0.312636495	998000	
				Impurity	Trade Secret	0.20%	0.0034692	0.000626526	2000	
5	Gold Wire	Au	0.6201	Gold	7440-57-5	99.99%	0.62003799	0.11197681	999900	
				Impurity	Trade Secret	0.01%	0.00006201	1.11988E-05	100	
6	Die	Silicon	5.047	Silicon	7440-21-3	100.00%	5.047	0.911471502	1000000	
			553.72				600.00%	553.72	100	6000000