



Part Number:		AS4C8M16SA-7TCN/AS4C8M16SA-6TCN/AS4C8M16SA-6TIN/AS4C8M16SA-6TAN								
Part Weight:		559.32mg								
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	159.08	Carbon	7440-44-0	0.02%	0.031816	0.01%	200	
				Silicon	7440-21-3	0.30%	0.47724	0.09%	3000	
				Manganese	7439-96-5	0.80%	1.27264	0.23%	8000	
				Nickel	7440-02-0	41.00%	65.2228	11.66%	410000	
				Chromium	7440-47-3	0.10%	0.15908	0.03%	1000	
				Cobalt	7440-48-4	0.50%	0.7954	0.14%	5000	
				Aluminium	7429-90-5	0.10%	0.15908	0.03%	1000	
				Iron	7439-89-6	55.18%	87.780344	15.69%	551800	
				Silver	7440-22-4	2.00%	3.1816	0.57%	20000	
2	Mold compound	CEL-9200HF	393.7674	Epoxy Resin	Trade Secret	4.50%	17.719533	3.17%	45000	
				Phenol Resin	Trade Secret	4.50%	17.719533	3.17%	45000	
				Metal Hydroxide	Trade Secret	4.00%	15.750696	2.82%	40000	
				Carbon Black	1333-86-4	0.20%	0.7875348	0.14%	2000	
				Silica	60676-86-0	85.80%	337.8524292	60.40%	858000	
				Other	Trade Secret	1.00%	3.937674	0.70%	10000	
3	Epoxy	EN-4900GC	1.2679	Acrylic Resin	Trade Secret	8.50%	0.1077715	0.02%	85000	
				Polybutadiene Derivative	Trade Secret	5.50%	0.0697345	0.01%	55000	
				Butadiebe Copolymer	Trade Secret	2.00%	0.025358	0.00%	20000	
				Epoxy Resin	Trade Secret	2.50%	0.0316975	0.01%	25000	
				Acrylate	Trade Secret	5.50%	0.0697345	0.01%	55000	
				Silver	7440-22-4	76.00%	0.963604	0.17%	760000	
4	Plating	Sn	1.7346	Tin	7440-31-5	99.80%	1.7311308	0.31%	998000	
				Impurity	Trade Secret	0.20%	0.0034692	0.00%	2000	
5	Gold Wire	Au	0.4289	Gold	7440-57-5	99.99%	0.42885711	0.08%	999900	
				Impurity	Trade Secret	0.01%	0.00004289	0.00%	100	
6	Die	Chip	3.0412	Silicon	7440-21-3	100.00%	3.0412	0.54%	1000000	
				559.32			600.00%	559.32	100.00%	6000000