



Part Number:		AS4C256M8D3-12BCN / AS4C256M8D3-15BCN / AS4C256M8D3-12BIN / AS4C256M8D3-12BAN							
Part Weight:		165.793mg							
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	Substrate	NPG-200 / AUS 308	57.4	E-Glass fabric	65997-17-3	21.00%	12.054	7.27	210000
				Epoxy resin	29690-82-2	21.00%	12.054	7.27	210000
				Fillers	21645-51-2	7.00%	4.018	2.42	70000
				DOPO	35948-25-5	7.00%	4.018	2.42	70000
				Copper	7440-50-8	14.00%	8.036	4.85	140000
				Talc containing no asbestiform fibers	14807-96-6	0.47%	0.269	0.16	4680
				Morpholine derivative	Trade secret	0.47%	0.269	0.16	4680
				Barium sulfate	7727-43-7	5.48%	3.148	1.90	54840
				Silica, amorphous	7631-86-9	0.11%	0.062	0.04	1080
				Dipropylene glycol monomethyl ether	34590-94-8	0.95%	0.544	0.33	9480
				Epoxy resin A	Trade secret	3.46%	1.984	1.20	34560
				Epoxy resin B	85954-11-6	1.07%	0.613	0.37	10680
				Nickel	7440-02-0	15.00%	8.610	5.19	150000
				Gold	7440-57-5	3.00%	1.722	1.04	30000
2	Mold compound	CEL-9120HF	59.24	Epoxy resin	Trade secret	8.50%	5.035	3.04	85000
				Hardener	Trade secret	4.50%	2.666	1.61	45000
				Metal Hydroxide	Trade secret	10.25%	6.072	3.66	102500
				Carbon black	1333-86-4	0.20%	0.118	0.07	2000
				Amorphous silica	60676-86-0	71.55%	42.386	25.57	715500
				Crystal silica	14808-60-7	5.00%	2.962	1.79	50000
3	Epoxy	6202C	1.711	Polymeric material	Trade secret	20.00%	0.342	0.21	200000
				Epoxy resin	Trade secret	7.50%	0.128	0.08	75000
				Di-ester resin	Trade secret	3.00%	0.051	0.03	30000
				Functionalized urethane resin	Trade secret	3.00%	0.051	0.03	30000
				Siloxane polymer	Trade secret	20.00%	0.342	0.21	200000
				Mixture of synthetic and fused silica	Trade secret	20.00%	0.342	0.21	200000
				Carbitol acetate	112-15-2	26.50%	0.453	0.27	265000
4	Solder ball	Sn/Ag/Cu	27.526	Tin	7440-31-5	96.50%	26.563	16.02	965000
				Silver	7440-22-4	3.00%	0.826	0.50	30000
				Copper	7440-50-8	0.50%	0.138	0.08	5000
5	Gold wire	Au	0.413	Gold	7440-57-5	99.99%	0.413	0.25	999900
				Others	Trade secret	0.01%	0.000	0.00	100
6	Die	Chip	19.503	Silicon	7440-21-3	100.00%	19.503	11.76	1000000
165.793						600.00%	165.793	100.00	6000000