



Part Number:			AS4C8M16D1-5BCN / -5BIN						
Part Weight:			189.285mg						
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	HL-832NX / AUS308	67	Bismaleimide Triazine resin	105391-33-1	6.36	4.261	2.25	63600
				Epoxy resin -1	25722-66-1	6.36	4.261	2.25	63600
				Epoxy resin -2	9003-36-5	6.36	4.261	2.25	63600
				Inorganic Filler	21645-51-2	14.31	9.588	5.07	143100
				Continuous Filament Fiber Glass	65997-17-3	19.61	13.139	6.94	196100
				Talc containing no asbestiform fibers	14807-96-6	0.48	0.322	0.17	4800
				Morpholine derivative	Trade secret	0.48	0.322	0.17	4800
				Barium sulfate	7727-43-7	5.4	3.618	1.91	54000
				Silica, amorphous	7631-86-9	0.12	0.080	0.04	1200
				Dipropylene glycol monomethyl ether	34590-94-8	2.88	1.930	1.02	28800
				Epoxy resin A	Trade secret	1.56	1.045	0.55	15600
				Epoxy resin B	85954-11-6	1.08	0.724	0.38	10800
				Copper	7440-50-8	25	16.750	8.85	250000
				Nickel	7440-02-0	8	5.360	2.83	80000
				Gold	7440-57-5	2	1.340	0.71	20000
2	Mold compound	G770SY	97.196	Epoxy resin A	Trade Secret	3	2.916	1.54	30000
				Epoxy resin B	Trade Secret	3	2.916	1.54	30000
				Phenol resin A	Trade Secret	3	2.916	1.54	30000
				Phenol resin B	Trade secret	3	2.916	1.54	30000
				Metal Hydroxide	Trade secret	1.5	1.458	0.77	15000
				Carbon black	1333-86-4	0.3	0.292	0.15	3000
				Silica fused A	60676-86-0	75.9	73.772	38.97	759000
				Silica fused B	7631-86-9	10	9.720	5.13	100000
3	Epoxy	2025D	0.25	Silica ,crystalline	60676-86-0	0.3	0.292	0.15	3000
				Silica, amorphous, fused	60676-86-0	47	0.117	0.06	470000
				Bismaleimide monomer	Trade Secret	35	0.087	0.05	350000
				Acrylate monomer	Trade secret	7.5	0.019	0.01	75000
				Epoxy resin	Trade Secret	7.5	0.019	0.01	75000
4	Solder ball	M705	21.174	Acrylic resin	Trade secret	3	0.007	0.00	30000
				Tin	7440-31-5	96.5	20.433	10.79	965000
				Silver	7440-22-4	3	0.635	0.34	30000
5	Gold wire	Au	0.341	Copper	7440-50-8	0.5	0.106	0.06	5000
				Gold	7440-57-5	99.99	0.341	0.18	999900
				Impurity	Trade Secret	0.01	0.000	0.00	100
6	Die	Chip	3.324	Silicon	7440-21-3	100	3.324	1.76	1000000
189.285						600	189.285	100.00	6000000