



Part Number:		AS4C2M32S-7BCN / AS4C2M32S-6BIN								
Part Weight:		210.526mg								
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	HL832NX / AUS308	41.7	Bismaleimide Triazine resin	105391-33-1	2.99%	1.248	0.59	29928	
				Epoxy resin -1	25722-66-1	2.99%	1.248	0.59	29928	
				Epoxy resin -2	9003-36-5	2.99%	1.248	0.59	29928	
				Inorganic Filler	21645-51-2	6.73%	2.808	1.33	67338	
				Continuous Filament Fiber Glass	65997-17-3	9.23%	3.848	1.83	92278	
				Talc containing no asbestiform fibers	14807-96-6	0.85%	0.356	0.17	8536	
				Morpholine derivative	Trade secret	0.85%	0.356	0.17	8536	
				Barium sulfate	7727-43-7	9.39%	3.915	1.86	93896	
				Silica, amorphous	7631-86-9	0.21%	0.089	0.04	2134	
				Dipropylene glycol monomethyl ether	34590-94-8	5.12%	2.136	1.01	51216	
				Naphthalene	91-20-3	0.21%	0.089	0.04	2134	
				Epoxy resin A	Trade secret	2.77%	1.157	0.55	27742	
				Epoxy resin B	85954-11-6	1.92%	0.801	0.38	19206	
				Copper	7440-50-8	50.36%	21.000	9.98	503600	
Nickel	7440-02-0	3.12%	1.301	0.62	31200					
Gold	7440-57-5	0.24%	0.100	0.05	2400					
2	Mold compound	G770SY	133.877	Epoxy resin A	Trade Secret	3.89%	5.208	2.47	38900	
				Epoxy resin B	Trade Secret	3.89%	5.208	2.47	38900	
				Phenol Resin A	Trade Secret	3.89%	5.208	2.47	38900	
				Phenol Resin B	Trade secret	3.89%	5.208	2.47	38900	
				Metal Hydroxide	Trade secret	1.95%	2.611	1.24	19500	
				Carbon black	1333-86-4	0.39%	0.522	0.25	3900	
				Silica fused	60676-86-0	66.15%	88.560	42.07	661500	
				Silica fused	7631-86-9	15.56%	20.831	9.89	155600	
Silica, crystalline	14808-60-7	0.39%	0.522	0.25	3900					
3	Epoxy	2025D	0.222	Silica,amorphous,fued	60676-86-0	45.45%	0.101	0.05	454500	
				Bismaleimide monomer	Trade Secret	31.82%	0.071	0.03	318200	
				Acrylate monomer	Trade secret	9.09%	0.020	0.01	90900	
				Epoxy resin	Trade Secret	9.09%	0.020	0.01	90900	
				Acrylic resin	Trade secret	4.55%	0.010	0.00	45500	
4	Solder ball	96.5Sn3Ag0.5Cu	31.761	Tin	7440-31-5	96.50%	30.649	14.56	965000	
				Silver	7440-22-4	3.00%	0.953	0.45	30000	
				Copper	7440-50-8	0.50%	0.159	0.08	5000	
5	Gold wire	Au	0.381	Gold	7440-57-5	99.99%	0.381	0.18	999900	
				Impurity	Trade Secret	0.01%	0.000	0.00	100	
6	Die	Chip	2.585	Silicon	7440-21-3	100.00%	2.585	1.23	1000000	
			210.526				600.00%	210.526	100.00	6000000