



AS4C4M16D1-5TCN / AS4C4M16D1-5TIN

562.57mg

Part Number:		AS4C4M16D1-5TCN / AS4C4M16D1-5TIN								
Part Weight:		562.57mg								
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	155.3	Iron	7439-89-6	53.85%	83.631	14.87	538510	
				Nickel	7440-02-0	42.14%	65.443	11.63	421400	
				Carbon	7440-44-0	0.05%	0.076	0.01	490	
				Silicon	7440-21-3	0.29%	0.457	0.08	2940	
				Manganese	7439-96-5	0.98%	1.522	0.27	9800	
				Chromium	7440-47-3	0.10%	0.152	0.03	980	
				Cobalt	7440-48-4	0.49%	0.761	0.14	4900	
				Aluminium	7429-90-5	0.10%	0.152	0.03	980	
				Silver	7440-22-4	2.00%	3.106	0.55	20000	
2	Mold compound	CEL-9200HF	398.2	Epoxy Resin	Trade Secret	7.00%	27.874	4.95	70000	
				Phenol Resin	Trade Secret	6.00%	23.892	4.25	60000	
				Carbon black	1333-86-4	0.20%	0.796	0.14	2000	
				Silica	60676-86-0	84.80%	337.674	60.02	848000	
				Others	Trade Secret	2.00%	7.964	1.42	20000	
3	Epoxy	EN-4900GC	1	Acrylic resin	Trade Secret	8.50%	0.085	0.02	85000	
				Polybutadiene derivative	Trade Secret	5.50%	0.055	0.01	55000	
				Butadiene copolymer	Trade Secret	2.00%	0.020	0.00	20000	
				Epoxy resin	Trade Secret	2.50%	0.025	0.00	25000	
				Acrylate	Trade Secret	5.50%	0.055	0.01	55000	
				Peroxide	Trade Secret	1.00%	0.010	0.00	10000	
				Additive	Trade Secret	2.00%	0.020	0.00	20000	
				Silver	7440-22-4	73.00%	0.730	0.13	730000	
4	Plating	Sn	1.97	Tin	7440-31-5	99.80%	1.966	0.35	998000	
				Impurity	Trade Secret	0.20%	0.004	0.00	2000	
5	Gold wire	Au	0.7	Gold	7440-57-5	99.99%	0.700	0.12	999900	
				Impurity	Trade Secret	0.01%	0.000	0.00	100	
6	Die	Chip	5.4	Silicon	7440-21-3	100.00%	5.400	0.96	1000000	
			562.57				600.00%	562.570	100.00	6000000