ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C256M16MD4A-046BIN				
Part Weight:		305.978mg				
No.	Part Name	Component wt (mg)	Material Content (Element)	CAS Number	Element wt (%)	Element wt (mg)
1	Chip	28.040	Silica	7440-21-3	100.00%	28.040
2	Substrate	98.754	Thermosetting resin (including inorganic filler [amorphous silica,etc.])	Trade Secret	50.00%	6.079
			Glass cloth	65997-17-3	50.00%	6.079
			Acrylate Resin	Trade secret	31.94%	2.404
			3-Methoxy-3-methylbutylAcetate	103429-90-9	22.47%	1.692
			Barium Sulfate	7727-43-7	22.47%	1.692
			Naphtha (petroleum), heavy aromatic	64742-94-5	3.77%	0.284
			Photoinitiator	Trade secret	3.77%	0.284
			Propanol, 1(or 2)-(2-methoxymethylethoxy)-	34590-94-8	3.77%	0.284
			TALC (CONTAINING NO ASBESTOS FIBRES)	14807-96-6	3.77%	0.284
			Additive	Trade secret	0.73%	0.055
			Aluminiumhydroxide	Trade secret	0.73%	0.055
			Amine compound	Trade secret	0.73%	0.055
			Benzene, 1,2,4-trimethyl-	Trade secret	0.73%	0.055
			Benzene, trimethyl-	Trade secret	0.73%	0.055
			Ethanol, 2-(2-ethoxyethoxy)-, 1-acetate	112-15-2	0.73%	0.055
			Naphthalene	91-20-3	0.73%	0.055
			Organic yellow pigment	Trade secret	0.73%	0.055
			Phthalocyanine Blue pigment	Trade secret	0.73%	0.055
			Precipitated Silica	112926-00-8	0.73%	0.055
			Silica	Trade secret	0.73%	0.055
			Gold	7440-57-5	100.00%	0.456
			Nickel	7440-02-0	100.00%	2.910
			Copper	7440-50-8	100.00%	75.701
3	DAF	1.634	Acrylic Resin	Trade secret	48.00%	0.784
			Phenol Resin	Trade secret	6.00%	0.098
			Amorphous Silica	7631-86-9	46.00%	0.752
4	Gold Wire	0.404	Gold	7440-57-5	100.00%	0.404
5	Compound	127.550	Epoxy Resin A	Trade secret	7.50%	9.566
			Epoxy Resin B	Trade secret	3.00%	3.827
			Silica(Amorphous)	7631-86-9	7.50%	9.566
			Phenol Resin	Trade secret	3.00%	3.827
			Carbon black	1333-86-4	0.50%	0.638
			Silica(Amorphous) A	60676-86-0	75.50%	96.300
			Metal Hydroxide	Trade secret	3.00%	3.827
6	Solder Ball	49.596	Sn	7440-31-5	96.50%	47.860
			Ag	7440-22-4	3.00%	1.488
			Cu	7440-50-8	0.50%	0.248

305.978

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Fax: 425-896-8628 Alliance Memory Inc. reserves the right to change products or specification without notice