



ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C64M16MD1A-5BIN						
Part Weight:		116.9mg						
NO.	Material	Substance	Chemical Name	CAS No.	Material Weight(mg)	Substance Weight(mg)	wt % of Total unit wt	Hazardous Substance
1	Substrate	Continuous Filament Fiber Glass	-	65997-17-3	25.160	3.2708	2.798%	N.D
		Copper	Cu: Copper	7440-50-8		9.8124	8.394%	N.D
		Bismaleimide / Triazine	-	13676-54-5/25722-66-1		7.9254	6.780%	N.D
		Epoxy Resin	-	223769-10-6		2.7676	2.367%	N.D
		Inorganic filler	-	13776-74-4/7631-86-9		0.5032	0.430%	N.D
		Solvent naphtha	-	64742-94-5		0.5032	0.430%	N.D
		Nickel	Ni: Nickel	7440-02-0		0.3019	0.258%	N.D
		Gold	Au: Gold	13967-50-5		0.0755	0.065%	N.D
2	WBL Tape	Acrylic Epoxy Adhesive	-	68583-49-3	1.010	0.6565	0.562%	N.D
		Acrylic Pressure Sensitive Adhesive	-	35239-19-1		0.3535	0.302%	N.D
3	Wire	Gold	Au	7440-57-5	1.920	1.9200	1.642%	N.D
4	EMC	Silica, vitreous	Silicon dioxide	60676-86-0	68.610	59.6907	51.061%	N.D
		4,4'-Bis(2,3-epoxypropoxy)-3,3',5,5'-tetramethyl(1,1'-biphenyl)	-	85954-11-6		0.6861	0.587%	N.D
		Phenol polymer with 1,4-bis(methoxymethyl)benzene	-	26834-02-6		0.6861	0.587%	N.D
		Carbon black	Acetylene black	1333-86-4		0.3431	0.293%	N.D
		Trade secret	-	-		7.2041	6.163%	N.D
5	Solde ball	Tin	Sn: Tin	7440-31-5	13.300	13.0673	11.178%	N.D
		Silver	Ag: Silver	7440-22-4		0.1596	0.137%	N.D
		Copper	Cu: Copper	7440-50-8		0.0665	0.057%	N.D
		Nickel	Ni: Nickel	7440-02-0		0.0067	0.006%	N.D
6	DRAM	Die			6.900	6.9000	5.902%	N.D

116.900

100.000%

Alliance Memory Inc. 511 Taylor Way, San Carlos, CA 94070 TEL: (650) 610-6800 FAX: (650) 620-9211

Alliance Memory Inc. reserves the right to change products or specification without notice.