



ALLIANCE MEMORY MDS REPORT

Part Number:		AS4C128M16D3LF-12BCN			
Part Weight:		165.501mg			
Item	Material	Weight (mg)	Content	CAS No.	Percentage %
1	Molding Compound	61.2040	Silica Fused	60676-86-0	90.80%
			Epoxy Resin	Trade Secret	2.00%
			Phenol Resin	Trade Secret	7.00%
			Carbon Black	1333-86-4	0.20%
2	Die Attach	3.3460	2-(2-Ethoxyethoxy)ethyl acetate	112-15-2	38.00%
			Butadiene, acrylonitrile polymer, carboxy-terminated, polymer with bisphenol A and e ichloroh drin	68610-41-3	29.00%
			Isodecyl alcohol, ethoxylated~	61827-42-7	7.00%
			Silica Filler	112926-00-8	25.30%
			tert-butyl peroxyneodecanoate	26748-41-4	0.70%
3	Substrate	48.7800	Cured Thermosetting Resin	Trade Secret	8.80%
			Continuous Filament Fiber Glass	65997-17-3	22.00%
			Copper Foil	7440-50-8	27.00%
			Morpholine derivarive	Trade Secret	3.50%
			Talc containing no asbestiform fibers	14807-96-6	3.70%
			Barium Sulfate	7727-43-7	21.80%
			Epoxy Resin	Trade Secret	6.90%
			Dipropylene glycol monomethyl ether	34590-94-8	6.30%
4	Solder Ball	32.6400	Tin (Sn)	7440-31-5	96.50%
			Silver (Ag)	7440-22-4	3.00%
			Copper (Cu)	7440-50-8	0.50%
5	Bonding Wire	0.2980	Gold (Au)	7440-57-5	99.00%
			Others	N/A	1.00%
6	Chip	19.2330	Silicon	7440-21-3	99.00%
			Others	N/A	1.00%
Total		165.5010			mg