

LTM2893 36BGA 15mm X 6.25mm X 2.06mm (TABLE OF MATERIAL DECLARATION)

This product is RoHS compliant per EU RoHS Directive 2003/95/EC.

It contains less than 100ppm cadmium (Cd) and less than 1,000ppm of each - lead (Pb), mercury (Hg), hexavalent chromium (Cr+), polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE)

No.	Part Name	Material Name	Component Weight (gram)	Materials Analysis (element)	CAS Number	Material Mass (gram)	Materials Analysis (weight %)
1	Substrate	BT, AUS308	0.1050	Cured thermosetting resin (including inorganic filler)	Trade secret	0.02100	20.00
				Continuous Filament Fiber Glass	65997-17-3	0.01575	15.00
				Copper	7440-50-8	0.05107	48.64
				Modified Epoxy Acrylate Resin	186511-06-8	0.00595	5.67
				C.I pigment blue 15	147-14-8	0.00006	0.06
				Silicon dioxide	7631-86-9	0.00309	2.94
				Barium Sulfate	7727-43-7	0.00002	0.02
				3-methoxy-3-methylbutylacetate	103429-90-9	0.00098	0.93
				Organic yellow pigment	Trade secret	0.00006	0.06
				Dipropylene glycol monomethyl ether	34590-94-8	0.00054	0.51
				Heavy Aromatic Solvent naphtha	64742-94-5	0.00180	1.71
				Talc	14807-96-6	0.00256	2.44
				Gold	7440-57-5	0.00015	0.14
				Palladium	7440-05-3	0.00015	0.14
				Nickel	7440-02-0	0.00183	1.74
2	Solder Paste	Alloy	0.0013	Sn	7440-31-5	0.00120	95.00
				Sb	7440-36-0	0.00006	5.00
3	Epoxy		0.0005	Di-ester resin	non-disclosure	0.00005	10.00
				Functionalized ester	non-disclosure	0.00005	10.00
				Silver	7440-22-4	0.00040	80.00
4	Passive/Active Components		0.0147	Copper (Cu)	7440-50-8	0.0047	32.00
				Nickel (Ni)	7440-02-0	0.0012	8.00
				Tin (Sn)	7440-31-5	0.0004	2.40
				Ceramic (Ba) Compounds	12047-27-7	0.0085	57.60
5	Active IC's	Silicon	0.0021	Silicon	7440-21-3	0.00210	100.00
6	Wire	Gold	0.0004	Au	7440-57-5	0.00039	99.99
7	Solder Ball		0.0317	Sn	7440-31-5	0.03055	96.50
				Ag	7440-22-4	0.00095	3.00
				Cu	7440-50-8	0.00016	0.50
8	Encapsulation	Epoxy Resin	0.2001	Fused Silica	60676-86-0	0.15448	77.20
				Epoxy Resin	non-disclosure	0.01781	8.90
				Phenol Resin	non-disclosure	0.01781	8.90
				Crytalline Silica	14808-60-7	0.00600	3.00
				Carbon Black	1333-86-4	0.00100	0.50
				Metal Hydroxide	non-disclosure	0.00300	1.50
Total Package Weight			0.3557				

Note: Composition derived from MSDS and material C of C from Vendors; Component Weight based on assembly of generic parts