

LTM8053 9mmX6.25mmX3.42mm (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	HL832NSF-LCA, AUS308	0.0360	Cured thermosetting resin (including inorganic filler)	Trade secret	0.00721	20.04
				Continuous Filament Fiber Glass	65997-17-3	0.00512	14.23
				Copper	7440-50-8	0.01850	51.39
				Modified Epoxy Acrylate Resin	186511-06-8	0.00204	5.67
				C.I pigment blue 15	147-14-8	0.00002	0.06
				Silicon dioxide	7631-86-9	0.00106	2.94
				Barium Sulfate	7727-43-7	0.00001	0.02
				3-methoxy-3-methylbutylacetate	103429-90-9	0.00033	0.93
				Organic yellow pigment	Trade secret	0.00002	0.06
				Dipropylene glycol monomethyl ether	34590-94-8	0.00018	0.51
				Heavy Aromatic Solvent naphtha	64742-94-5	0.00062	1.71
2	Solder Ball	SAC305	0.0422	Talc	14807-96-6	0.00088	2.44
				Tin (Sn)	7440-31-5	0.04074	96.50
				Silver (Ag)	7440-22-4	0.00127	3.00
				Copper (Cu)	7440-50-8	0.00021	0.50
3	Die	Silicon	0.0022	Silicon	7440-21-3	0.00217	100.00
4	Component	Passive/Active	0.1889	Iron (Fe)	7439-89-6	0.00000	59.26
				Copper (Cu)	7440-50-8	0.00000	21.90
				Nickel (Ni)	7440-02-0	0.00000	0.61
				Tin (Sn)	7440-31-5	0.00000	2.79
				Ceramic (Ba) Compounds	12047-27-7	0.00000	3.84
				Chromium (Cr) [not hexavalent Chromium VI]	No CAS	0.00000	2.87
				Phenol-formaldehyde Polymer	9003-35-4	0.00000	3.83
				Aluminum (Al)	7440-21-3	0.00000	1.34
				Pigment Portion, not to declare	No CAS	0.00000	0.71
				Polyamide-imide	25053-57-0	0.00000	0.40
				Organic Ingredient, not declare	No CAS	0.00000	0.38
				Zinc Sterate	557-05-1	0.00000	0.43
				Misc	No CAS	0.00000	1.64
5	Solder paste	95Sn5Sb	0.0035	Tin (Sn)	7440-31-5	0.00333	95.00
6	Encapsulation	EpoxyRresin	0.2368	Antimony (Sb)	7440-36-0	0.00018	5.00
				Solid Epoxy Resin	Trade secret	0.00710	3.00
				Phenol Resin	Trade secret	0.00710	3.00
				Fused Silica	60676-86-0	0.21430	90.50
				Carbon Black	1333-86-4	0.00118	0.50
Total Package Weight			0.5096				
				Metal Hydroxide	Trade secret	0.00710	3.00

Note: Composition derived from MSDS and material C of C from Vendors

Component Weight based on assembly of generic parts