



LT8609S 3mmX3mmX0.94mm (TABLE OF MATERIAL DECLARATION)

This product is RoHS compliant per EU RoHS Directive 2015/863/EU.

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-LC, AUS308	0.0043	Cured thermosetting resin (including inorganic filler)	Trade secret	0.000864	20.00
				Continuous Filament Fiber Glass	65997-17-3	0.000648	15.00
				Copper	7440-50-8	0.002101	48.64
				Modified Epoxy Acrylate Resin	186511-06-8	0.000245	5.67
				C.I pigment blue 15	147-14-8	0.000003	0.06
				Silicon dioxide	7631-86-9	0.000127	2.94
				Barium Sulfate	7727-43-7	0.000001	0.02
				3-methoxy-3-methylbutylacetate	103429-90-9	0.000040	0.93
				Organic yellow pigment	Trade secret	0.000003	0.06
				Dipropylene glycol monomethyl ether	34590-94-8	0.000022	0.51
				Heavy Aromatic Solvent naphtha	64742-94-5	0.000074	1.71
				Talc	14807-96-6	0.000105	2.44
				Gold	7440-57-5	0.000012	0.28
Nickel	7440-02-0	0.000075	1.74				
3	Die	Silicon	0.0010	Silicon	7440-21-3	0.000983	100.00
4	Component	Passive	0.0026	Copper (Cu)	7440-50-8	0.00084	32.00
				Nickel (Ni)	7440-02-0	0.00021	8.00
				Tin (Sn)	7440-31-5	0.00006	2.40
				Ceramic (Ba) Compounds	12047-27-7	0.00151	57.60
5	Solder paste	95Sn5Sb	0.0005	Tin	7440-31-5	0.000485	95.00
				Antimony	7440-36-0	0.000026	5.00
6	Flipchip Bump	Copper Pillar	0.0002	Copper (Cu)	7440-50-8	0.000123	61.90
				Tin (Sn)	7440-31-5	0.000074	37.34
				Silver (Ag)	7440-22-4	0.000002	0.75
7	Encapsulation	EpoxyRresin	0.0131	Epoxy Resin	Trade secret	0.000983	7.50
				Phenol Resin	Trade secret	0.000393	3.00
				Silica(Amorphous) A	60676-86-0	0.008651	66.00
				Silica(Amorphous) B	7631-86-9	0.002621	20.00
				Aluminium and its compounds	Trade secret	0.000393	3.00
Carbon Black	1333-86-4	0.000066	0.50				
Total Package Weight			0.0217				

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