



Device Material Content

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Package: 484 caBGA

Total Device Weight 0.911 Grams

Package Code: BG484

Products: LCMXO3-9400

Assembly: ASEK

Size (mm): 19 x 19

Lead pitch (mm): 0.8

MSL: 3

Reflow max (°C): 260

	% of Total Pkg. Wt.	Weight (g)	% of Total Pkg. Wt.	Weight (g)	Substance	CAS #	% of Subst.	Notes / Assumptions:
Die	1.49%	0.0136	1.49%	0.0136	Silicon chip	7440-21-3	100.00%	Die size: 4968 x 5092 um
Mold Compound	52.67%	0.4798	46.09% 3.42% 2.90% 0.26%	0.4198 0.0312 0.0264 0.0024	Silica Epoxy resin Phenol Resin Carbon Black	60676-86-0 - - 1333-86-4	87.50% 6.50% 5.50% 0.50%	Mold Compound: KE-G1250AHT
D/A Epoxy	0.21%	0.0019	0.17% 0.04%	0.00151 0.00038	Silver Esters & resins	7440-22-4 -	80.00% 20.00%	Die attach epoxy: Henkel 2100A
Wire	0.85%	0.0077	0.821% 0.026% 0.003%	0.00748 0.00024 0.00003	Copper (Cu) Palladium (Pd) Gold (Au)	7440-50-8 7440-05-3 7440-57-5	96.55% 3.10% 0.35%	CuPdAu+
Solder Balls	18.49%	0.1684	17.84% 0.55% 0.09%	0.1625 0.0051 0.0008	Tin (Sn) Silver (Ag) Copper (Cu)	7440-31-5 7440-22-4 7440-50-8	96.50% 3.00% 0.50%	SAC305
Substrate	16.53%	0.1506	5.29% 11.24%	0.0482 0.1024	BT Resins Glass fiber	- 65997-17-3	32.00% 68.00%	BT Resin CCL-HL832NX-A
Foil	5.82%	0.0530	4.77% 0.88% 0.17%	0.0434 0.0080 0.0015	Copper Nickel Gold	7440-50-8 7440-02-0 7440-57-5	82.00% 15.10% 2.91%	
Solder Mask	3.94%	0.0359	0.93% 1.51% 0.58% 0.58% 0.35%	0.0084 0.0137 0.0053 0.0053 0.0032	Solvent naphtha (petroleum) Phosphin oxide derivative Talc (containing no asbestiform fibers) Epoxy Resin Barium Sulfate	64742-94-5 - 14807-96-6 85954-11-6 7727-43-7	23.52% 38.20% 14.70% 14.70% 8.88%	Solder mask PSR4000 AUS 320

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