



No.	Part Name	Material Name	Component Wt. (mg)	Material Content (Element)	CAS Number	Element Wt (mg)	PPM in Homogeneous Material	PPM in Total Part
1	Leadframe	Copper Alloy	3.431	Cu	7440-50-8	3.35	977844	295053
				Fe	7439-89-6	0.08	23062	6959
				Zn	7440-66-6	0.01	1504	454
				P	7723-14-0	0.00	301	91
2	Die Attach Material	Conductive Paste	0.025	Silver	7440-22-4	0.02	800000	1773
				Resin Epoxy A	9003-36-5	0.00	100000	222
				Resin Epoxy B	Trade Secret	0.00	70000	155
				Phenol Resin	Trade Secret	0.00	20000	44
				Dicyandiamide	461-58-5	0.00	10000	22
3	Gold Wire	Gold	0.021	Au	7440-57-5	0.02	999900	1847
				Other	Proprietary	0.000002	100	0
4	Internal Plating 1	Nickel	0.01227	Ni	7440-02-0	0.01227	922300	1079
5	Internal Plating 2	Palladium	0.00099	Pd	7440-05-3	0.0010	74700	87
6	Internal Plating 3	Gold	0.00004	Au	7440-57-5	0.00004	3000	4
7	Terminal Plating 1	Nickel	0.01623	Ni	7440-02-0	0.01623	922300	1428
8	Terminal Plating 2	Palladium	0.00131	Pd	7440-05-3	0.0013	74700	116
9	Terminal Plating 3	Gold	0.00005	Au	7440-57-5	0.00005	3000	5
10	Mold Compound	Filled Epoxy	7.710	Epoxy A	Trade Secret	0.23	30000	20344
				Epoxy B	Trade Secret	0.23	30000	20344
				Phenol Resin	Trade Secret	0.23	30000	20344
				Silica (Amorphous) A	60676-86-0	5.78	750000	508611
				Silica (Amorphous) B	7631-86-9	1.16	150000	101722
				Metal Hydroxide	Trade Secret	0.04	5000	3391
				Carbon Black	1333-86-4	0.04	5000	3391
11	Die 1	GaAs Die	0.152	GaAs	1303-00-0	0.15	1000000	13334
Total Weight =			11.370					

Note:

- (A) Element Wt. Composition is derived from MSDS / Subcon Data
- (B) Component Wt. may be based on assembly of generic parts
- (C) Internal and External Plating weight is based on nominal plating thickness
- (D)

Guerrilla RF collaborates closely with our supply chain partners to make reasonable effort of working accuracy of data but in no terms guarantees the degree of accuracy of stated data.

More Info: <https://www.guerrilla-rf.com/environmental>

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