



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	9.028	Cu	7440-50-8	8.8038	975200	301318
				Fe	7439-89-6	0.2076	23000	7107
				Zn	7440-66-6	0.0135	1500	463
				P	7723-14-0	0.0027	300	93
2	Die Attach Material	Conductive Paste	0.062	Silver	7440-22-4	0.0463	750000	1586
				Resin	Trade Secret	0.0093	150000	317
				Hardener	Trade Secret	0.0043	70000	148
				Epoxy	Trade Secret	0.0012	20000	42
				Proprietary	Trade Secret	0.0006	10000	21
3	Gold Wire	Gold	0.079	Au	7440-57-5	0.0788	999900	2695
				Others	Proprietary	0.0000	100	0
4	Internal Plating 1	Nickel	0.0282	Ni	7440-02-0	0.0282	1000000	967
5	Internal Plating 2	Palladium	0.0023	Pd	7440-05-3	0.0023	1000000	78
6	Internal Plating 3	Gold	0.0001	Au	7440-57-5	0.0001	1000000	3
7	Terminal Plating 1	Nickel	0.0374	Ni	7440-02-0	0.0374	1000000	1281
8	Terminal Plating 2	Palladium	0.0030	Pd	7440-05-3	0.0030	1000000	104
9	Terminal Plating 3	Gold	0.0001	Au	7440-57-5	0.0001	1000000	4
10	Mold Compound	Filled Epoxy	19.526	Epoxy resin A	Trade secret	0.5858	30000	20049
				Epoxy resin B	Trade secret	0.5858	30000	20049
				Phenol resin	Trade secret	0.5858	30000	20049
				Silica(Amorphous) A	60676-86-0	14.6448	750000	501234
				Silica(Amorphous) B	7631-86-9	2.9290	150000	100247
				Metal hydroxide	Trade secret	0.0976	5000	3342
				Carbon Black	1333-86-4	0.0976	5000	3342
11	Die	GaAs	0.452	GaAs	1303-00-0	0.4517	1000000	15460
Total Weight =			29.218					

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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