


Date: 4/16/2021

Material Number: SI8274GA1D-IM1

Pkg Config.: PK1698

Detailed Device Composition 									
No.	Homogeneous Material	Material Weight (mg)	Material Content	CAS Number	Material Weight (%)	Material Weight (mg)	ppm of Material	Wt % of Total Unit	ppm of Total Unit
1	Mold Compound	1.35	Carbon Black	1333-86-4	0.400	0.005	4000	0.0119	119
			Epoxy Resin (Proprietary)	Proprietary	15.000	0.202	150000	0.4456	4456
			Phenolic Resin	9003-35-4	9.600	0.130	96000	0.2852	2852
			Silica	7631-86-9	75.000	1.012	750000	2.2282	22282
2	Mold Compound	27.06	Carbon Black	1333-86-4	0.400	0.108	4000	0.2382	2382
			Epoxy Resin (Proprietary)	Proprietary	7.000	1.894	70000	4.1686	41686
			Metal Hydroxide	Proprietary	2.000	0.541	20000	1.1910	11910
			Phenol Resin (Proprietary)	Proprietary	5.000	1.353	50000	2.9776	29776
			Silica (Amorphous) B	60676-86-0	85.600	23.163	856000	50.9757	509757
3	Leadframe	14.40	Chromium	7440-47-3	0.246	0.035	2460	0.0780	780
			Copper	7440-50-8	97.933	14.102	979330	31.0351	310351
			Gold	7440-57-5	0.029	0.004	290	0.0092	92
			Nickel	7440-02-0	1.279	0.184	12790	0.4053	4053
			Palladium	7440-05-3	0.049	0.007	490	0.0155	155
			Tin	7440-31-5	0.247	0.036	2470	0.0783	783
			Zinc	7440-66-6	0.217	0.031	2170	0.0688	688
4	Plating - External	1.50	1 TEST MATERIAL	0000000	100.000	1.500	1000000	3.3011	33011
5	Bond Wire	0.20	Gold	7440-57-5	99.000	0.198	990000	0.4357	4357
			Palladium	7440-05-3	1.000	0.002	10000	0.0044	44
6	Die Attach Epoxy	0.21	Acrylate monomer 10089	TS ref# 10089	5.000	0.010	50000	0.0231	231
			Acrylate monomer 10123	TS ref# 10123	5.000	0.010	50000	0.0231	231
			Acrylate monomer 10283	TS ref# 10283	5.000	0.010	50000	0.0231	231
			Bismaleimide monomer	TS ref# 10049	5.000	0.010	50000	0.0231	231
			Silver	7440-22-4	80.000	0.168	800000	0.3697	3697
7	Die	0.24	Aluminum	7429-90-5	0.163	0.000	1630	0.0009	9
			Copper	7440-50-8	0.001	0.000	10	0.0000	0
			Silicon	7440-21-3	99.726	0.239	997260	0.5267	5267
			Tungsten	7440-33-7	0.110	0.000	1100	0.0006	6

8	Die	0.48	Aluminum	7429-90-5	0.163	0.001	1630	0.0017	17
			Copper	7440-50-8	0.001	0.000	10	0.0000	0
			Silicon	7440-21-3	99.726	0.479	997260	1.0534	10534
			Tungsten	7440-33-7	0.110	0.001	1100	0.0012	12
	Total Unit Weight =	45.44				45.44		100.0000	1000000