


Date: 4/26/2021

Material Number: SI8234AB-D-IM1

Pkg Config.: PK1697

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	Bond Wire	0.20	Gold	7440-57-5	99.000	0.198	990000	0.4243	4243
			Palladium	7440-05-3	1.000	0.002	10000	0.0043	43
2	Die Attach Epoxy	0.21	Acrylate monomer 10089	TS ref# 10089	5.000	0.010	50000	0.0225	225
			Acrylate monomer 10123	TS ref# 10123	5.000	0.010	50000	0.0225	225
			Acrylate monomer 10283	TS ref# 10283	5.000	0.010	50000	0.0225	225
			Bismaleimide monomer	TS ref# 10049	5.000	0.010	50000	0.0225	225
			Silver	7440-22-4	80.000	0.168	800000	0.3600	3600
3	Mold Compound	27.06	Carbon Black	1333-86-4	0.400	0.108	4000	0.2319	2319
			Epoxy Resin (Proprietary)	Proprietary	7.000	1.894	70000	4.0587	40587
			Metal Hydroxide	Proprietary	2.000	0.541	20000	1.1596	11596
			Phenol Resin (Proprietary)	Proprietary	5.000	1.353	50000	2.8991	28991
			Silica (Amorphous) B	60676-86-0	85.600	23.163	856000	49.6322	496322
4	Mold Compound	1.35	Carbon Black	1333-86-4	0.400	0.005	4000	0.0116	116
			Epoxy Resin (Proprietary)	Proprietary	15.000	0.202	150000	0.4339	4339
			Phenolic Resin	9003-35-4	9.600	0.130	96000	0.2777	2777
			Silica	7631-86-9	75.000	1.012	750000	2.1695	21695
5	Leadframe	15.90	Chromium	7440-47-3	0.246	0.039	2460	0.0838	838
			Copper	7440-50-8	97.933	15.571	979330	33.3648	333648
			Gold	7440-57-5	0.029	0.005	290	0.0099	99
			Nickel	7440-02-0	1.279	0.203	12790	0.4357	4357
			Palladium	7440-05-3	0.049	0.008	490	0.0167	167
			Tin	7440-31-5	0.247	0.039	2470	0.0842	842
			Zinc	7440-66-6	0.217	0.035	2170	0.0739	739
6	Plating - External	0.00	,1 TEST MATERIAL	0000000	100.000	0.000	1000000	0.0000	0
7	Die	0.65	Aluminum	7429-90-5	0.163	0.001	1630	0.0023	23
			Copper	7440-50-8	0.001	0.000	10	0.0000	0
			Silicon	7440-21-3	99.726	0.648	997260	1.3889	13889
			Tungsten	7440-33-7	0.110	0.001	1100	0.0015	15

8	Die	1.30	Aluminum	7429-90-5	0.163	0.002	1630	0.0045	45
			Copper	7440-50-8	0.001	0.000	10	0.0000	0
			Silicon	7440-21-3	99.726	1.296	997260	2.7779	27779
			Tungsten	7440-33-7	0.110	0.001	1100	0.0031	31
	Total Unit Weight =	46.67				46.67		100.0000	1000000