

Date: 1/2/2023

Ordering Part Number: EFR32MG24A420F1536IM40-BR

Material Number: EFR32MG24A420F1536IM40-BR

Pkg Config.: PK1904

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	0.18	Copper	7440-50-8	97.500	0.176	975000	0.2307	2307
			Gold	7440-57-5	0.100	0.000	1000	0.0002	2
			Others	Proprietary	0.900	0.002	9000	0.0021	21
			Palladium	7440-05-3	1.500	0.003	15000	0.0035	35
2	Die Attach Epoxy	0.79	Acrylates	Proprietary	4.000	0.032	40000	0.0415	415
			Acrylic Resin	Proprietary	9.000	0.071	90000	0.0935	935
			Additive	Proprietary	1.500	0.012	15000	0.0156	156
			Butadiene Copolymer	Proprietary	1.000	0.008	10000	0.0104	104
			Epoxy Resin (Proprietary)	Proprietary	2.000	0.016	20000	0.0208	208
			Peroxide	Proprietary	0.500	0.004	5000	0.0052	52
			Polybutadiene Derivative	Proprietary	5.000	0.040	50000	0.0519	519
			Silver	7440-22-4	77.000	0.608	770000	0.7996	7996
3	Mold Compound	32.50	Carbon Black	1333-86-4	0.300	0.098	3000	0.1282	1282
			Epoxy Resin (Proprietary)	Proprietary	7.000	2.275	70000	2.9903	29903
			Phenol Resin (Proprietary)	Proprietary	5.000	1.625	50000	2.1359	21359
			Silicon Dioxide	60676-86-0	87.700	28.502	877000	37.4639	374639
4	Plating - External	1.25	Tin	7440-31-5	100.000	1.250	1000000	1.6430	16430
5	Leadframe	38.82	Copper	7440-50-8	97.198	37.732	971980	49.5955	495955
			Iron	7439-89-6	2.099	0.815	20990	1.0710	10710
			Lead	7439-92-1	0.006	0.002	60	0.0031	31
			Phosphorous	7723-14-0	0.099	0.038	990	0.0505	505
			Silver	7440-22-4	0.499	0.194	4990	0.2546	2546
6	Die	2.54	Silicon	7440-21-3	99.800	2.535	998000	3.3319	33319
			Silicon Dioxide	60676-86-0	0.200	0.005	2000	0.0067	67
Total Unit Weight =		76.08				76.08		100.0000	1000000



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