

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

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TOTAL MASS (g): 0.076018

COMPONENT MATERIAL	VENDOR/INDUSTRY NAMES	CONSTITUENT NAME	CAS NUMBER	CONSTITUENT MASS (g)	CONSTITUENT (PPM) OF MATERIAL	CONSTITUENT (PPM) OF TOTAL Pkg.		
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.004023	1000000	53083.2120312		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.014071	580000	185101.25		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.010189	420000	134034.3125		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-95-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.024260	1000000	319135.5625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001477	1000000	19427.6992188		
External Plating Total:						0.001477	1000000	19427.6992188
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000194	1000000	2552.03222656		
Internal Plating Total:						0.000194	1000000	2552.03222656
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001116	750000	14680.7620953		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead (Pb)	7439-92-1	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.000000	0	0		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000000	0	0		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000172	250000	4893.58789662		
		Die Attach Total:				0.001488	1000000	19574.3515625
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.006657	150000	87571.5390625
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.036392	820000	478729.65625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001110	25000	14601.8330078		
Carbon Black (C)	1333-86-4			0.000222	5000	2920.36694336		
Encapsulation Total:						0.044381	1000000	583823.375
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000185	1000000	2433.63891602		

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