

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

(printed on: 2014-01-19 21:54:23)

TOTAL MASS (g): 0.072685

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	0.001497	1000000	20595.763719		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	325418.5625		
		Iron (Fe)	7439-89-6	0.000582	24000	8007.1704016		
		Phosphorus (P)	7723-14-0	0.000007	300	96.961752319		
		Zinc (Zn)	7440-66-6	0.000017	700	233.886413574		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-98-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.024259	1000000	333755.90625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001477	1000000	20318.5664062		
External Plating Total:						0.001477	1000000	20318.5664062
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000194	1000000	2669.05664062		
Internal Plating Total:						0.000194	1000000	2669.05664062
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000576	750000	7924.62207011		
		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)		0.000192	250000	2641.54077148		
		Die Attach Total:				0.000768	1000000	10566.1630859
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.006657	150000	91587.171875
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.036392	820000	500882		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001110	25000	15271.40625		
Carbon Black (C)	1333-86-4			0.000222	5000	3054.28149414		
Encapsulation Total:						0.044381	1000000	610594.875
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000109	1000000	1499.62463379		

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