

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

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TOTAL MASS (g): 0.073822

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	0.002269	1000000	2390.7714844		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000099	1000000	1341.06628418		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.014071	580000	190607.515625		
		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	138021.453125		
		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	328629
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001477	1000000	2005.6210938		
External Plating Total:						0.001477	1000000	2005.6210938
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000194	1000000	2627.94799805		
Internal Plating Total:						0.000194	1000000	2627.94799805
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000786	750000	10647.2539062		
		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)		0.000262	250000	3549.08447266		
		Die Attach Total:				0.001048	1000000	14196.3378906
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.006628	150000	89783.71875
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.036236	820000	490857.375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001105	25000	14968.46875		
Carbon Black (C)	1333-86-4			0.000221	5000	2993.69360352		
Encapsulation Total:						0.044190	1000000	598603.25
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000185	1000000	2506.03295898		

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