

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

LT1124CS8#PBF

(printed on: 2014-01-19 21:46:43)

TOTAL MASS (g): 0.076954

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	0.004773	1000000	62624.1835938		
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	182849.859375		
		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	13204.03125		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.024260	1000000	315253.875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001477	1000000	19191.3964844		
External Plating Total:						0.001477	1000000	19191.3964844
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000194	1000000	2520.99121094		
Internal Plating Total:						0.000194	1000000	2520.99121094
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001263	750000	16412.4335938		
		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)		0.000421	250000	5470.81152344		
		Die Attach Total:				0.001684	1000000	21883.2469938
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.006657	150000	86506.3984375
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.036392	820000	472906.8125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001110	25000	14424.2204922		
Carbon Black (C)	1333-86-4			0.000222	5000	2884.84594727		
Encapsulation Total:						0.044381	1000000	576722.25
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000185	1000000	2404.03808594		

TOTAL MASS (g): 0.076954