

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC3633EFE#TRPBF

(Engineering Calculation)

TSSOP Exp. Pad

(printed on: 2014-01-20 01:19:48)

TOTAL MASS (g): 0.095856

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	0.002562	1000000	27159.7095312		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.030596	975000	319185.9375		
		Iron (Fe)	7439-89-6	0.000753	24000	7855.50390625		
		Phosphorus (P)	7723-14-0	0.000009	300	93.8904853003		
		Zinc (Zn)	7440-66-6	0.000022	700	229.51080666		
		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:				0.031380	1000000	327364.875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002480	1000000	25875.7382812		
External Plating Total:						0.002480	1000000	25875.7382812
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000066	1000000	8408.41503906		
Internal Plating Total:						0.000066	1000000	8408.41503906
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001070	750000	11162.5361328		
		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)		0.000157	250000	3724.32298085		
		Die Attach Total:				0.001427	1000000	14886.8583794
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.007460	135000	77824.7890625
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.047524	860000	495783.53125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000276	5000	2879.30834961		
Encapsulation Total:						0.055260	1000000	576487.625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000941	1000000	9816.7726094		

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