

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC3633AEFE-3#PBF

(Engineering Calculation)

TSSOP Exp. Pad

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TOTAL MASS (g): 0.095931

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	0.002623	1000000	27766.5898428		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.030596	975000	318936.40625		
		Iron (Fe)	7439-89-6	0.000753	24000	7849.36279297		
		Phosphorus (P)	7723-14-0	0.000009	300	93.8170928955		
		Zinc (Zn)	7440-66-6	0.000022	700	225.330657959		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		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:			0.031380	1000000	327108.90625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002480	1000000	25855.5097656		
		External Plating Total:			0.002480	1000000	25855.5097656	
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000066	1000000	8401.84179688		
		Internal Plating Total:			0.000066	1000000	8401.84179688	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001081	750000	11268.4746094		
		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)		0.000160	250000	3752.68359375		
		Die Attach Total:			0.001441	1000000	15021.1582031	
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.007460	135000	77763.9453125
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.047524	860000	495395.9375		
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	2877.05761719		
Encapsulation Total:					0.055260	1000000	576036.9375	
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000941	1000000	9809.09863281		

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