

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1121CN8-5#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.498333

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	0.001763	1000000	3417.3916457		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	30051.75		
		Iron (Fe)	7439-89-6	0.003686	24000	7396.65625		
		Phosphorus (P)	7723-14-0	0.000046	300	92.3077011108		
		Zinc (Zn)	7440-66-6	0.000108	700	216.722427368		
		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:				0.153600	1000000	300227.46875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.012410	1000000	24903.5957031		
External Plating Total:						0.012410	1000000	24903.5957031
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.001228	1000000	2464.21435547		
Internal Plating Total:						0.001228	1000000	2464.21435547
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000617	750000	1238.12719727		
		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)		0.002056	250000	413.377960205		
		Die Attach Total:				0.002056	1000000	1651.50512695
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)	0.044334	135000	89964.5625	
Bromine (Br)	40039-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.283424	860000	566737.1875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001642	5000	3294.98364258		
Encapsulation Total:						0.328400	1000000	658996.6875
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000169	1000000	339.130493164		

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