

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1029CZ#PBF

(Engineering Calculation)

10-92

(printed on: 2014-01-19 21:37:12)

TOTAL MASS (g): 0.206147

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	0.002720	1000000	13287.5160816		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.088433	975000	428979.84375		
		Iron (Fe)	7439-89-6	0.002177	24000	10560.4150391		
		Phosphorus (P)	7723-14-0	0.000027	300	130.974165234		
		Zinc (Zn)	7440-66-6	0.000063	700	305.606842041		
		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:				0.090700	1000000	439976.84375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.005680	1000000	2754.0957031		
		External Plating Total:				0.005680	1000000	2754.0957031
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000320	1000000	1552.2881836		
		Internal Plating Total:				0.000320	1000000	1552.2881836
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000848	750000	4113.56542969		
		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)		0.000283	250000	1372.80541992		
		Die Attach Total:				0.001131	1000000	5486.37060547
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)	0.014241	135000	60991.3984375	
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.090730	860000	440122.375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000528	5000	2561.27661133		
Encapsulation Total:						0.105501	1000000	511775.0625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000082	1000000	397.773986816		

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