

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4261IGN-2#PBF

(Engineering Calculation)

SSOP

(printed on: 2014-01-20 00:22:45)

TOTAL MASS (g): 0.172988

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	0.005123	1000000	29644.78125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.064009	975000	370020.03125		
		Iron (Fe)	7439-89-6	0.001576	24000	910.46191406		
		Phosphorus (P)	7723-14-0	0.000020	300	115.614997864		
		Zinc (Zn)	7440-66-6	0.000046	700	265.914220264		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		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:				0.065651	1000000	379512
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.003749	1000000	21671.6167188		
External Plating Total:						0.003749	1000000	21671.6167188
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000525	1000000	3034.89355469		
Internal Plating Total:						0.000525	1000000	3034.89355469
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001330	750000	7688.39746094		
		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)		0.000443	250000	2560.87207931		
		Die Attach Total:				0.001773	1000000	10240.2695312
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.009848	103000	56928.8203125
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.085571	895000	494664.5625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000191	2000	1104.12316895		
Encapsulation Total:						0.095610	1000000	526097.5
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000557	1000000	3219.87768555		

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