

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2630CSC6-LZ10#TRMPBF

(Engineering Calculation)

SC70

(printed on: 2014-01-19 23:43:39)

TOTAL MASS (g): 0.010074

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	0.000407	1000000	40400.5546875	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.003159	975000	31575.78125	
		Iron (Fe)	7439-89-6	0.000078	24000	7742.61181641	
		Phosphorus (P)	7723-14-0	0.000001	300	99.264251799	
		Zinc (Zn)	7440-66-6	0.000002	700	198.528503418	
		Nickel (Ni)	7440-02-0	0.000000	0	0	
		Silicon (Si)	7440-21-3	0.000000	0	0	
		Magnesium (Mg)	7439-99-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000000	0	0	
		Lead Frame Total:			0.003240	1000000	321616.1875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0
Exter. Plating Sn	7440-31-5			0.003408	1000000	338304.46875	
External Plating Total:					0.003408	1000000	338304.46875
Inter. Plating Ni	7440-02-0			0.000000	0	0	
Inter. Plating Ag	7440-22-4			0.000023	1000000	2283.0778886	
Internal Plating Total:					0.000023	1000000	2283.0778886
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000258	750000	25610.1757812	
		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)		0.000086	250000	8536.7256525	
		Die Attach Total:			0.000344	1000000	34146.96625
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.000151	50000
Bromine (Br)	40093-93-8			0.000000	0	0	
Silica (SiO2)	60676-86-0			0.002214	890000	229697.484375	
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0	
Metal Hydroxide				0.000130	50000	12904.3525391	
Carbon Black (C)	1333-86-4			0.000005	2000	496.321228027	
Encapsulation Total:					0.002600	1000000	258887.6625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000052	1000000	5161.7421094	

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