

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2630ISC6-LM12#TRPBF

(Engineering Calculation)

SC70

(printed on: 2014-01-19 23:45:01)

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	99.264251709		
		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)	7439-95-4	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	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	2283.0778086		
Internal Plating Total:						0.000023	1000000	2283.0778086
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	14988.9023438
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.002314	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	258887.0625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000052	1000000	5161.7421094		

TOTAL MASS (g): 0.010074