

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC3705IGN#TRPBF

(Engineering Calculation)

SSOP

(printed on: 2014-01-20 00:11:28)

TOTAL MASS (g): 0.08077

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	0.002174	1000000	26915.9101562		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	37095.1875		
		Iron (Fe)	7439-89-6	0.000737	24000	9124.66601562		
		Phosphorus (P)	7723-14-0	0.000009	300	111.42741394		
		Zinc (Zn)	7440-66-6	0.000021	700	259.997253418		
		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:				0.030700	1000000	38091.25
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002272	1000000	28130.2226562		
External Plating Total:						0.002272	1000000	28130.2226562
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000246	1000000	3045.68261719		
Internal Plating Total:						0.000246	1000000	3045.68261719
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000726	750000	8988.47753906		
		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)		0.000242	250000	2996.15893555		
		Die Attach Total:				0.000968	1000000	11984.6357422
		Encapsulation	DCPD RESIN	Resin (EP)		0.004857	110000	60133.65625
Bromine (Br)	40039-09-8			0.000442	10000	5472.32324219		
Silica (SiO2)	60676-86-0			0.037528	850000	464627.53125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.001125	30000	16404.5898438		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000000	0	0		
Encapsulation Total:						0.044152	1000000	546638.0625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000258	1000000	3194.25195312		

TOTAL MASS (g): 0.08079