

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2955CTS8-1#TRPBF

(Engineering Calculation)

TS07-23

(printed on: 2014-01-20 02:15:04)

TOTAL MASS (g): 0.012266

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	0.000544	1000000	44351.3554688		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	371562.34375		
		Iron (Fe)	7439-89-6	0.000113	24000	9212.68945312		
		Phosphorus (P)	7723-14-0	0.000001	300	81.5282287598		
		Zinc (Zn)	7440-66-6	0.000003	700	244.584686279		
		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:				0.004699	1000000	383101.125
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000663	1000000	54027.9375		
External Plating Total:						0.000663	1000000	54027.9375
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000000	1000000	6522.2578125		
Internal Plating Total:						0.000000	1000000	6522.2578125
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000169	800000	13778.2714844		
		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)		0.000042	200000	3424.18554688		
		Die Attach Total:				0.000211	1000000	17202.450781
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.000147	50000	28290.2949219
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.003322	890000	433893.21875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000299	50000	24376.9394531		
Carbon Black (C)	1333-86-4			0.000012	2000	978.338745117		
Encapsulation Total:						0.003880	1000000	487538.78125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000000	1000000	7256.01220703		

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