

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1085CM#TRPBF

(Engineering Calculation)

DOPAK

(printed on: 2014-01-19 21:42:16)

TOTAL MASS (g): 1.377223

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	0.005650	1000000	4247.67871094	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.827657	998500	60960.875	
		Iron (Fe)	7439-89-6	0.000000	0	0	
		Phosphorus (P)	7723-14-0	0.000000	0	0	
		Zinc (Zn)	7440-66-6	0.000000	0	0	
		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	0.001243	1500	90254095459	
		Lead Frame Total:			0.828900	1000000	601863.375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.009683	1000000	7032.08007812	
		External Plating Total:			0.009683	1000000	7032.08007812
		Inter. Plating Ni	7440-02-0	0.005000	781250	3630.49462891	
		Inter. Plating Ag	7440-22-4	0.001400	218750	1016.53845215	
		Internal Plating Total:			0.006400	1000000	4647.0320312
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000128	50000	92.9406661987	
		Lead (Pb)	7439-92-1	0.002424	950000	1760.06396484	
		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)		0.000000	0	0	
		Die Attach Total:			0.002552	1000000	1851.0045166
Encapsulation	MULTI-AROMATIC RESIN (BIS/EP) FREE	Resin (EP)		0.531704	1010000	38994.4179688	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.466653	895000	338836.25	
		Antimony Trisulfide (Sb2S3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.001043	2000	757.321166992	
		Encapsulation Total:			0.521400	1000000	378887.96875
Bond Wire Estimated	AFW/TANAKA/Ko	Gold (Au)	7440-57-5	0.001193	1000000	866.236022949	

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1.377223