

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1121CS8#PBF

(Engineering Calculation)

SOC

(printed on: 2014-01-19 21:45:44)

TOTAL MASS (g): 0.072946

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	0.001763	1000000	23346.889375
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	324254.25
		Iron (Fe)	7439-89-6	0.000582	24000	7978.52148438
		Phosphorus (P)	7723-14-0	0.000007	300	95.9615936279
		Zinc (Zn)	7440-66-6	0.000017	700	231.049591064
		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:		0.024259	1000000	332561.78
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20245.8671875
		External Plating Total:		0.001477	1000000	20245.8671875
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2659.5070808
		Internal Plating Total:		0.000194	1000000	2659.5070808
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000617	750000	8458.32910156
		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)		0.000266	250000	2824.01269531
		Die Attach Total:		0.000823	1000000	11282.3417969
Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.006657	150000	91259.4765625
		Bromine (Br)	40093-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	498890.59375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	15216.7666016
		Carbon Black (C)	1333-86-4	0.000222	5000	3043.35351562
		Encapsulation Total:		0.044381	1000000	608410.25
Band Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000109	1000000	1494.25915527

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0.072946