LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4241IGN#PBF **(Engineering Calculation)** SSOP

(printed on: 2014-01-20 00:21:13) **TOTAL MASS (g): 0.131851**

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	**0.004766**	**1000000**	**36146.9609375**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.040238	975000	305178.65625
		Iron (Fe)	7439-89-6	0.000990	24000	7508.49511719
		Phosporus (P)	7723-14-0	0.000012	300	91.0120697021
		Zinc (Zn)	7440-66-6	0.000029	700	219.945846558
		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:		**0.041269**	**1000000**	**312998.09375**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002831	1000000	21468.4804688
		External Plating Total:		**0.002831**	**1000000**	**21468.4804688**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000330	1000000	2502.83178711
		Internal Plating Total:		**0.000330**	**1000000**	**2502.83178711**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001269	750000	9624.52636719
		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)		0.000423	250000	3208.17529297
		Die Attach Total:		**0.001692**	**1000000**	**12832.7011719**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.008259	103000	62639.0585938
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.071761	895000	544259.75
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000160	2000	1213.4942627
		Encapsulation Total:		**0.080180**	**1000000**	**608112.25**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000783**	**1000000**	**5938.53808594**

TOTAL MASS (g): **0.131851**