LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc1266is-3.3#trpbf (Engineering Calculation) SOIC

(printed on: 2020-07-11 21:33:50) **TOTAL MASS (g): 0.157083**

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	**0.004103**	**1000000**	**26119.9980469**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.051070	975000	325115.34375
		Iron (Fe)	7439-89-6	0.001257	24000	8002.15429688
		Phosphorus (P)	7723-14-0	0.000016	300	101.857170105
		Zinc (Zn)	7440-66-6	0.000037	700	235.544723511
		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:		**0.052380**	**1000000**	**333454.90625**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002954	1000000	18803.4960938
		External Plating Total:		**0.002954**	**1000000**	**18803.4960938**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000419	1000000	2667.38476562
		Internal Plating Total:		**0.000419**	**1000000**	**2667.38476562**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001142	750000	7270.05517578
		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)		0.000381	250000	2425.47387695
		Die Attach Total:		**0.001523**	**1000000**	**9695.52929688**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.012389	130000	78869.2734375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.079099	830000	503550
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.003336	35000	21237.2207031
		Carbon Black (C)	1333-86-4	0.000477	5000	3036.61694336
		Encapsulation Total:		**0.095301**	**1000000**	**606693.125**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000403**	**1000000**	**2565.52758789**
					TOTAL MASS (g):	**0.157083**