LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc2442ig#pbf **(Engineering Calculation)** **SSOP**

(printed on: 2020-07-11 19:38:54) **TOTAL MASS (g):** 0.323799

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	**0.004216**	**1000000**	**13020.4189453**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.111592	962000	344633.46875
		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	0.003480	30000	10747.4042969
		Silicon (Si)	7440-21-3	0.000754	1500	537.370239258
		Magnesium (Mg)	7439-95-4	0.000174	1500	537.370239258
		Tin (Sn)	7440-31-5	0.000000	0	0
		Lead Frame Total:		**0.116000**	**1000000**	**358246.8125**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.010584	1000000	32687.2617188
		External Plating Total:		**0.010584**	**1000000**	**32687.2617188**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000928	1000000	2865.97460938
		Internal Plating Total:		**0.000928**	**1000000**	**2865.97460938**
Die Attach	ELECTRICALLY INSULATING ADHESIVE	Silver (Ag)	7440-22-4	0.000000	0	0
		Tin (Sn)	7440-31-5	0.000000	0	0
		Lead (Pb)	7439-92-1	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.000137	440000	423.101837158
		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)		0.000174	560000	537.370239258
		Die Attach Total:		**0.000311**	**1000000**	**960.472106934**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.025785	135000	79632.703125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.164260	860000	507289.8125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000955	5000	2949.35961914
		Encapsulation Total:		**0.191000**	**1000000**	**589871.9375**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000760**	**1000000**	**2347.13452148**
					TOTAL MASS (g):	**0.323799**