LINEAR TECHNOLOGY MATERIALS DECLARATION

lt6232cgn#trpbf (Engineering Calculation) SSOP

(printed on: 2020-07-11 20:40:18) **TOTAL MASS (g): 0.079989**

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	**0.001488**	**1000000**	**18602.5410156**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000062**	**1000000**	**775.105834961**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	374213.59375
		Iron (Fe)	7439-89-6	0.000737	24000	9213.75878906
		Phosphorus (P)	7723-14-0	0.000009	300	112.515365601
		Zinc (Zn)	7440-66-6	0.000021	700	262.535858154
		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:		**0.030700**	**1000000**	**383802.40625**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002272	1000000	28404.8808594
		External Plating Total:		**0.002272**	**1000000**	**28404.8808594**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000246	1000000	3075.42016602
		Internal Plating Total:		**0.000246**	**1000000**	**3075.42016602**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000565	750000	7063.46435547
		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)		0.000188	250000	2350.32104492
		Die Attach Total:		**0.000753**	**1000000**	**9413.78515625**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006605	150000	82573.7734375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036105	820000	451374.15625
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001101	25000	13764.3798828
		Carbon Black (C)	1333-86-4	0.000220	5000	2750.37548828
		Encapsulation Total:		**0.044031**	**1000000**	**550462.6875**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000437**	**1000000**	**5463.24609375**
					TOTAL MASS (g):	**0.079989**