LINEAR TECHNOLOGY MATERIALS DECLARATION

lt6238cgn#pbf **(Engineering Calculation)** **SSOP**

(printed on: 2020-07-11 18:29:05) **TOTAL MASS (g): 0.080291**

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	**0.001807**	**1000000**	**22505.6171875**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	372806.09375
		Iron (Fe)	7439-89-6	0.000737	24000	9179.10351562
		Phosphorus (P)	7723-14-0	0.000009	300	112.092170715
		Zinc (Zn)	7440-66-6	0.000021	700	261.548370361
		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**	**382358.84375**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002272	1000000	28298.0429688
		External Plating Total:		**0.002272**	**1000000**	**28298.0429688**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000246	1000000	3063.8527832
		Internal Plating Total:		**0.000246**	**1000000**	**3063.8527832**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000643	750000	8008.36279297
		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)		0.000214	250000	2665.30273438
		Die Attach Total:		**0.000857**	**1000000**	**10673.6650391**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006623	150000	82487.3828125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036203	820000	450896.96875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001104	25000	13749.9726562
		Carbon Black (C)	1333-86-4	0.000221	5000	2752.48535156
		Encapsulation Total:		**0.044151**	**1000000**	**549886.8125**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000258**	**1000000**	**3213.30859375**
					TOTAL MASS (g):	**0.080291**