

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

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(Engineering Calculation)

SSOP

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**TOTAL MASS (g) : 0.082053**

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	0.003157	1000000	38475.1015625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	364800.46875		
		Iron (Fe)	7439-89-6	0.000737	24000	8981.99121094		
		Phosphorus (P)	7723-14-0	0.000009	300	109.685112		
		Zinc (Zn)	7440-66-6	0.000021	700	255.931930542		
		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		
<b>Lead Frame Total:</b>				<b>0.030700</b>	<b>1000000</b>	<b>374148.0625</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002272	1000000	27690.3730469		
		<b>External Plating Total:</b>				<b>0.002272</b>	<b>1000000</b>	<b>27690.3730469</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000246	1000000	2998.05957031		
<b>Internal Plating Total:</b>				<b>0.000246</b>	<b>1000000</b>	<b>2998.05957031</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000952	750000	11602.2460938		
		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)		0.000317	250000	3863.35302734		
<b>Die Attach Total:</b>				<b>0.001269</b>	<b>1000000</b>	<b>15465.6005859</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006623	150000	80716.0546875		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036203	820000	441214.4375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001104	25000	13454.7060547		
		Carbon Black (C)	1333-86-4	0.000221	5000	2693.37866211		
		<b>Encapsulation Total:</b>				<b>0.044151</b>	<b>1000000</b>	<b>538078.625</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000258	1000000	3144.30615234		
					<b>TOTAL MASS (g) :</b>	<b>0.082053</b>		