

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

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(Engineering Calculation)

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**TOTAL MASS (g) : 0.075679**

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	0.003886	1000000	51348.5546875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000162	1000000	2140.62426758		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	312544.375		
		Iron (Fe)	7439-89-6	0.000582	24000	7690.39160156		
		Phosphorus (P)	7723-14-0	0.000007	300	92.4961166382		
		Zinc (Zn)	7440-66-6	0.000017	700	224.633422852		
		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>0.024259</b>	<b>1000000</b>	<b>320551.875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19514.7246094		
		<b>External Plating Total:</b>				<b>0.001477</b>	<b>1000000</b>	<b>19514.7246094</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2563.46362305		
<b>Internal Plating Total:</b>				<b>0.000194</b>	<b>1000000</b>	<b>2563.46362305</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001086	750000	14350.1113281		
		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)		0.000362	250000	4783.37060547		
<b>Die Attach Total:</b>				<b>0.001448</b>	<b>1000000</b>	<b>19133.4824219</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006610	150000	87342.7578125		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036136	820000	477491.375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001102	25000	14561.53125		
		Carbon Black (C)	1333-86-4	0.000220	5000	2907.02075195		
		<b>Encapsulation Total:</b>				<b>0.044068</b>	<b>1000000</b>	<b>582302.6875</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2444.54003906		
					<b>TOTAL MASS (g) :</b>	<b>0.075679</b>		