

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

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(Engineering Calculation)

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(printed on: 2020-07-11 20:07:05)

**TOTAL MASS (g) : 0.07574**

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	51307.203125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000162	1000000	2138.90039062		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	312292.65625		
		Iron (Fe)	7439-89-6	0.000582	24000	7684.19775391		
		Phosphorus (P)	7723-14-0	0.000007	300	92.42162323		
		Zinc (Zn)	7440-66-6	0.000017	700	224.452514648		
		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>320293.71875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19499.0078125		
		<b>External Plating Total:</b>				<b>0.001477</b>	<b>1000000</b>	<b>19499.0078125</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2561.39892578		
<b>Internal Plating Total:</b>				<b>0.000194</b>	<b>1000000</b>	<b>2561.39892578</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001086	750000	14338.5546875		
		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	4779.51806641		
<b>Die Attach Total:</b>				<b>0.001448</b>	<b>1000000</b>	<b>19118.0722656</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006610	150000	87272.421875		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036136	820000	477106.84375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001102	25000	14549.8037109		
		Carbon Black (C)	1333-86-4	0.000220	5000	2904.6796875		
		<b>Encapsulation Total:</b>				<b>0.044068</b>	<b>1000000</b>	<b>581833.75</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000246	1000000	3247.95996094		
					<b>TOTAL MASS (g) :</b>	<b>0.07574</b>		