

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

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(Engineering Calculation)

SC70

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**TOTAL MASS (g) : 0.010368**

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	0.000454	1000000	43788.0703125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.003442	975000	331979.1875		
		Iron (Fe)	7439-89-6	0.000085	24000	8198.20703125		
		Phosphorus (P)	7723-14-0	0.000001	300	96.4495010376		
		Zinc (Zn)	7440-66-6	0.000002	700	192.899002075		
		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>0.003530</b>	<b>1000000</b>	<b>340466.75</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.003408	1000000	328711.4375		
		<b>External Plating Total:</b>				<b>0.003408</b>	<b>1000000</b>	<b>328711.4375</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000023	1000000	2218.33862305		
<b>Internal Plating Total:</b>				<b>0.000023</b>	<b>1000000</b>	<b>2218.33862305</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000271	750000	26137.8144531		
		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)		0.000090	250000	8680.45507812		
<b>Die Attach Total:</b>				<b>0.000361</b>	<b>1000000</b>	<b>34818.2734375</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000147	58000	14178.0771484		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.002261	890000	218072.328125		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000127	50000	12249.0869141		
		Carbon Black (C)	1333-86-4	0.000005	2000	482.247497559		
		<b>Encapsulation Total:</b>				<b>0.002540</b>	<b>1000000</b>	<b>244981.734375</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000052	1000000	5015.37402344		
					<b>TOTAL MASS (g) :</b>	<b>0.010368</b>		