

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

1t1127csw#pbf

(Engineering Calculation)

SOIC WIDE

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**TOTAL MASS (g) : 0.249757**

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	0.004773	1000000	19110.546875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.138021	975000	552620.4375		
		Iron (Fe)	7439-89-6	0.003397	24000	13601.2011719		
		Phosphorus (P)	7723-14-0	0.000042	300	168.163208008		
		Zinc (Zn)	7440-66-6	0.000099	700	396.38470459		
		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>0.141559</b>	<b>1000000</b>	<b>566786.1875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.004771	1000000	19104.015625		
		<b>External Plating Total:</b>				<b>0.004771</b>	<b>1000000</b>	<b>19104.015625</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001132	1000000	4532.39892578		
<b>Internal Plating Total:</b>				<b>0.001132</b>	<b>1000000</b>	<b>4532.39892578</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001263	750000	5056.90771484		
		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)		0.000421	250000	1685.6361084		
<b>Die Attach Total:</b>				<b>0.001684</b>	<b>1000000</b>	<b>6742.54443359</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.009816	103000	39302.1484375		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.085294	895000	341507.46875		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000191	2000	764.742248535		
		<b>Encapsulation Total:</b>				<b>0.095301</b>	<b>1000000</b>	<b>381574.375</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000537	1000000	2150.08691406		
					<b>TOTAL MASS (g) :</b>	<b>0.249757</b>		