

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

1t1339cn#pbf

(Engineering Calculation)

PDIP

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**TOTAL MASS (g) : 1.362934**

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	0.006038	1000000	4430.14697266		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.386100	975000	283285.78125		
		Iron (Fe)	7439-89-6	0.009504	24000	6973.18896484		
		Phosphorus (P)	7723-14-0	0.000119	300	87.3116073608		
		Zinc (Zn)	7440-66-6	0.000277	700	203.237960815		
		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>0.396000</b>	<b>1000000</b>	<b>290549.53125</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.031039	1000000	22773.2929688		
		<b>External Plating Total:</b>				<b>0.031039</b>	<b>1000000</b>	<b>22773.2929688</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.003168	1000000	2324.39624023		
<b>Internal Plating Total:</b>				<b>0.003168</b>	<b>1000000</b>	<b>2324.39624023</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001482	750000	1087.35974121		
		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)		0.000494	250000	362.453216553		
<b>Die Attach Total:</b>				<b>0.001976</b>	<b>1000000</b>	<b>1449.81286621</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.124740	135000	91523.1015625		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.794640	860000	583036.125		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.004620	5000	3389.74462891		
		<b>Encapsulation Total:</b>				<b>0.924000</b>	<b>1000000</b>	<b>677948.9375</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000714	1000000	523.869628906		
					<b>TOTAL MASS (g) :</b>	<b>1.362934</b>		