

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

ltc1325cn#pbf

(Engineering Calculation)

PDIP

(printed on: 2020-07-11 19:24:49)

**TOTAL MASS (g) : 1.209237**

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	0.009137	1000000	7556.00292969		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.345150	975000	285427.875		
		Iron (Fe)	7439-89-6	0.008496	24000	7025.91699219		
		Phosphorus (P)	7723-14-0	0.000106	300	87.6585617065		
		Zinc (Zn)	7440-66-6	0.000248	700	205.08795166		
		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>0.354000</b>	<b>1000000</b>	<b>292746.53125</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.027934	1000000	23100.7402344		
		<b>External Plating Total:</b>				<b>0.027934</b>	<b>1000000</b>	<b>23100.7402344</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.002832	1000000	2341.97216797		
<b>Internal Plating Total:</b>				<b>0.002832</b>	<b>1000000</b>	<b>2341.97216797</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.002019	750000	1669.64758301		
		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)		0.000673	250000	556.549194336		
<b>Die Attach Total:</b>				<b>0.002692</b>	<b>1000000</b>	<b>2226.19677734</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.109620	135000	90652.1796875		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.698320	860000	577488		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.004060	5000	3357.48876953		
		<b>Encapsulation Total:</b>				<b>0.812000</b>	<b>1000000</b>	<b>671497.625</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000642	1000000	530.913208008		
					<b>TOTAL MASS (g) :</b>	<b>1.209237</b>		