

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1120ACN8#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.501296

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	0.004099	1000000	7997.26611228		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	298745.4375		
		Iron (Fe)	7439-89-6	0.003686	24000	7352.93603516		
		Phosphorus (P)	7723-14-0	0.000046	300	91.7620925903		
		Zinc (Zn)	7440-66-6	0.000108	700	215.441421509		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		<b>Lead Frame Total:</b>				<b>0.153600</b>	<b>1000000</b>	<b>386405.9375</b>
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.012410	1000000	24756.3964844		
<b>External Plating Total:</b>						<b>0.012410</b>	<b>1000000</b>	<b>24756.3964844</b>
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.001228	1000000	2449.64892578		
<b>Internal Plating Total:</b>						<b>0.001228</b>	<b>1000000</b>	<b>2449.64892578</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001110	750000	2214.2590332		
		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)		0.000170	250000	738.086364746		
		<b>Die Attach Total:</b>				<b>0.001480</b>	<b>1000000</b>	<b>2952.34545898</b>
		Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078816	240000	157224.359375
Bromine (Br)	40039-93-8			0.003284	10000	6531.015625		
Silica (SiO2)	60676-86-0			0.236448	720000	471673.09375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.009852	30000	19653.0449219		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000000	0	0		
<b>Encapsulation Total:</b>						<b>0.328400</b>	<b>1000000</b>	<b>655101.5</b>
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000169	1000000	337.125976562		

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