

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

1t4256-lis8#pbf

(Engineering Calculation)

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**TOTAL MASS (g) : 0.075439**

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	0.003629	1000000	48105.1875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	313538.71875		
		Iron (Fe)	7439-89-6	0.000582	24000	7714.85791016		
		Phosphorus (P)	7723-14-0	0.000007	300	92.7903900146		
		Zinc (Zn)	7440-66-6	0.000017	700	225.348083496		
		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>0.024259</b>	<b>1000000</b>	<b>321571.71875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19576.8105469		
		<b>External Plating Total:</b>				<b>0.001477</b>	<b>1000000</b>	<b>19576.8105469</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2571.61914062		
<b>Internal Plating Total:</b>				<b>0.000194</b>	<b>1000000</b>	<b>2571.61914062</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001043	750000	13825.7675781		
		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)		0.000348	250000	4613.0078125		
<b>Die Attach Total:</b>				<b>0.001391</b>	<b>1000000</b>	<b>18438.7753906</b>		
Encapsulation	DCPD RESIN	Resin (EP)		0.004882	110000	64714.6640625		
		Bromine (Br)	40039-93-8	0.000444	10000	5885.56201172		
		Silica (SiO2)	60676-86-0	0.037723	850000	500047.375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.001331	30000	17643.4296875		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000000	0	0		
		<b>Encapsulation Total:</b>				<b>0.044380</b>	<b>1000000</b>	<b>588291.0625</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1444.87890625		
					<b>TOTAL MASS (g) :</b>	<b>0.075439</b>		