

## LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC6101HVAIMS#TRPBF

(Engineering Calculation)

MSOP

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TOTAL MASS (g): 0.025975

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	0.001010	1000000	3883.503962	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000042	1000000	1616.9377414	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.000206	580000	238921.8125	
		Phosphorus (P)	7723-14-0	0.000000	0	0	
		Zinc (Zn)	7440-66-6	0.000000	0	0	
		Nickel (Ni)	7440-02-0	0.004494	420000	17302.34375	
		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>0.010700</b>	<b>1000000</b>	<b>411934.15625</b>
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.000710	1000000	2734.9082031	
		<b>External Plating Total:</b>			<b>0.000710</b>	<b>1000000</b>	<b>2734.9082031</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000066	1000000	310.87255859	
		<b>Internal Plating Total:</b>			<b>0.000066</b>	<b>1000000</b>	<b>310.87255859</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000448	750000	17247.3359375	
		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)		0.000149	250000	5736.2792668	
		<b>Die Attach Total:</b>			<b>0.000597</b>	<b>1000000</b>	<b>22983.615244</b>
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)	0.001648	130000	63445.5546875
				Bromine (Br)	40093-93-8	0.000000	0
Silica (SiO2)	60676-86-0			0.010524	830000	405158.40625	
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0	
Metal Hydroxide				0.000444	35000	17093.3417969	
Carbon Black (C)	1333-86-4			0.000063	5000	2425.40649414	
<b>Encapsulation Total:</b>					<b>0.012679</b>	<b>1000000</b>	<b>488122.71875</b>
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000151	1000000	5813.2787891	

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