

## LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC3634EUFDF#TRPBF

(Engineering Calculation)

QFN 4mm X 5mm Exp. Pad

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TOTAL MASS (g): 0.050387

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	0.002374	1000000	47115.1228125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.019997	975000	39866.625		
		Iron (Fe)	7439-89-6	0.000492	24000	9764.38378906		
		Phosphorus (P)	7723-14-0	0.000006	300	119.077850342		
		Zinc (Zn)	7440-66-6	0.000014	700	277.848297119		
		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>0.020599</b>	<b>1000000</b>	<b>407027.9375</b>
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000227	1000000	4509.23925781		
<b>External Plating Total:</b>						<b>0.000227</b>	<b>1000000</b>	<b>4509.23925781</b>
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000429	1000000	8514.06640625		
<b>Internal Plating Total:</b>						<b>0.000429</b>	<b>1000000</b>	<b>8514.06640625</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001070	750000	21235.5488281		
		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)		0.000157	250000	7085.13182594		
		<b>Die Attach Total:</b>				<b>0.001427</b>	<b>1000000</b>	<b>28320.6816406</b>
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)	0.001244	130000	64381.421875	
				Bromine (Br)	40039-09-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.021457	860000	425842.1875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000250	10000	4961.57714844		
<b>Encapsulation Total:</b>						<b>0.024951</b>	<b>1000000</b>	<b>495185.1875</b>
Lead Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000470	1000000	9327.74646844		

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