

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

ltc3834idhc-1#pbf

(Engineering Calculation)

DFN 5mm X 3mm Exp. Pad

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**TOTAL MASS (g) : 0.040313**

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	0.002562	1000000	63552.6914062		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.017069	974800.0625	423411.8125		
		Iron (Fe)	7439-89-6	0.000411	23500	10195.2216797		
		Phosphorus (P)	7723-14-0	0.000015	850	372.088378906		
		Zinc (Zn)	7440-66-6	0.000015	850	372.088378906		
		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>0.017510</b>	<b>1000000</b>	<b>434351.21875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.000817	1000000	20266.4667969		
		<b>External Plating Total:</b>				<b>0.000817</b>	<b>1000000</b>	<b>20266.4667969</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000391	1000000	9699.10449219		
<b>Internal Plating Total:</b>				<b>0.000391</b>	<b>1000000</b>	<b>9699.10449219</b>		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001109	750000	27509.734375		
		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)		0.000370	250000	9178.18066406		
<b>Die Attach Total:</b>				<b>0.001479</b>	<b>1000000</b>	<b>36687.9140625</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.002274	130000	56408.6015625		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.015041	860000	373105.4375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000175	10000	4341.03076172		
		<b>Encapsulation Total:</b>				<b>0.017490</b>	<b>1000000</b>	<b>433855.0625</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000064	1000000	1587.57714844		
					<b>TOTAL MASS (g) :</b>	<b>0.040313</b>		