

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1371HVCR#TRPBF

(Engineering Calculation)

DOPAK

(printed on: 2014-01-19 21:59:24)

TOTAL MASS (g): 1.405586

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	0.004254	1000000	2075.64080914		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.852419	998500	606451.0625		
		Iron (Fe)	7439-89-6	0.000000	0	0		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		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	0.001281	1500	911.363708496		
			<b>Lead Frame Total:</b>		<b>0.853700</b>	<b>1000000</b>	<b>607362.375</b>	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.010923	1000000	7772.50097656		
			<b>External Plating Total:</b>		<b>0.010923</b>	<b>1000000</b>	<b>7772.50097656</b>	
		Inter. Plating Ni	7440-02-0	0.005000	714285.6875	3557.23535156		
		Inter. Plating Ag	7440-22-4	0.002000	285714.28125	1423.89420711		
			<b>Internal Plating Total:</b>		<b>0.007000</b>	<b>1000000</b>	<b>4980.1298281</b>	
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000103	50000	73.2796527344		
		Lead (Pb)	7439-92-1	0.001958	950000	1393.01342773		
		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)		0.000000	0	0		
			<b>Die Attach Total:</b>		<b>0.002061</b>	<b>1000000</b>	<b>1466.29240047</b>	
		Encapsulation	MULTI-AROMATIC RESIN (BIS) FREE	Resin (EP)		0.054044	1030000	3849.4492188
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.449607	895000	334100.53125		
Antimony Trisulfide (Sb2S3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001049	2000	746.307922363		
	<b>Encapsulation Total:</b>				<b>0.524700</b>	<b>1000000</b>	<b>373296.28125</b>	
Lead Wire Estimated	AFW/TANAKA/Ko	Gold (Au)	7440-57-5	0.001565	1000000	1113.41479492		

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