

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

LT1425IS#TRPBF

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TOTAL MASS (g): 0.156152

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	0.002379	1000000	21639.212896		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.051070	975000	327053.75		
		Iron (Fe)	7439-89-6	0.001257	24000	8049.86425781		
		Phosphorus (P)	7723-14-0	0.000016	300	102.46446991		
		Zinc (Zn)	7440-66-6	0.000037	700	236.949081421		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		<b>Lead Frame Total:</b>				<b>0.052380</b>	<b>1000000</b>	<b>335441.0625</b>
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002954	1000000	18915.6074219		
<b>External Plating Total:</b>						<b>0.002954</b>	<b>1000000</b>	<b>18915.6074219</b>
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000419	1000000	2683.2808594		
<b>Internal Plating Total:</b>						<b>0.000419</b>	<b>1000000</b>	<b>2683.2808594</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000997	750000	6320.77636719		
		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)		0.000239	250000	2106.92553711		
		<b>Die Attach Total:</b>				<b>0.001236</b>	<b>1000000</b>	<b>8427.70214844</b>
		Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.012189	130000	79339.5078125
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.079099	830000	506552.28125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.003336	35000	21363.8417969		
Carbon Black (C)	1333-86-4			0.000477	5000	3054.72167969		
<b>Encapsulation Total:</b>						<b>0.095301</b>	<b>1000000</b>	<b>610310.375</b>
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000403	1000000	2580.82373047		

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