

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

LT1259IS#TRPBF

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TOTAL MASS (g): 0.136868

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	0.001916	1000000	13998.84375		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.047911	975000	35061.46875		
		Iron (Fe)	7439-89-6	0.001179	24000	8614.1103156		
		Phosphorus (P)	7723-14-0	0.000015	300	109.594284058		
		Zinc (Zn)	7440-66-6	0.000034	700	248.413742065		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-99-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		<b>Lead Frame Total:</b>				<b>0.049139</b>	<b>1000000</b>	<b>359021.5625</b>
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002585	1000000	18889.9472656		
<b>External Plating Total:</b>						<b>0.002585</b>	<b>1000000</b>	<b>18889.9472656</b>
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000393	1000000	2871.37036133		
<b>Internal Plating Total:</b>						<b>0.000393</b>	<b>1000000</b>	<b>2871.37036133</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000679	750000	4960.96826172		
		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)		0.000236	250000	1651.22858108		
		<b>Die Attach Total:</b>				<b>0.000915</b>	<b>1000000</b>	<b>6612.18847656</b>
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.010624	130000	77621.984375
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.067828	830000	49570.75		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.002600	35000	20895.976625		
Carbon Black (C)	1333-86-4			0.000409	5000	2988.27099609		
<b>Encapsulation Total:</b>						<b>0.081721</b>	<b>1000000</b>	<b>897077</b>
Bond Wire Estimated	AFW/TANAKA/Kn			Gold (Au)	7440-57-5	0.000209	1000000	1527.01379395

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