

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT6012IS#TRPBF

(Engineering Calculation)

SOC

(printed on: 2014-01-20 01:15:39)

TOTAL MASS (g): 0.13637

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	0.002094	1000000	3694.164025		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000208	1000000	1525.25708008		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.023972	580000	190451.8125		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.018808	420000	137918.4375		
		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>0.044780</b>	<b>1000000</b>	<b>328370.28125</b>
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002585	1000000	18958.927344		
<b>External Plating Total:</b>						<b>0.002585</b>	<b>1000000</b>	<b>18958.927344</b>
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000358	1000000	2625.20214844		
<b>Internal Plating Total:</b>						<b>0.000358</b>	<b>1000000</b>	<b>2625.20214844</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001323	750000	9701.51464844		
		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)		0.000441	250000	3233.83862305		
		<b>Die Attach Total:</b>				<b>0.001764</b>	<b>1000000</b>	<b>12935.3544922</b>
		Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.010571	130000	77516.796875
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.067494	830000	494931.25		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.002846	35000	20869.6230469		
Carbon Black (C)	1333-86-4			0.000407	5000	2984.51782227		
<b>Encapsulation Total:</b>						<b>0.081318</b>	<b>1000000</b>	<b>596302.1875</b>
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000353	1000000	2588.53735352		

TOTAL MASS (g): 0.136370