

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SSOP

LT1952EGN#TRPBF

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TOTAL MASS (g): 0.081536

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	0.002756	1000000	33800.9802812		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	367133.5625		
		Iron (Fe)	7439-89-6	0.000737	24000	9038.94335938		
		Phosphorus (P)	7723-14-0	0.000009	300	110.380992346		
		Zinc (Zn)	7440-66-6	0.000021	700	257.5540875		
		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		
		Lead Frame Total:				0.030790	1000000	376520.46875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002272	1000000	27865.9472656		
External Plating Total:						0.002272	1000000	27865.9472656
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000246	1000000	3017.06958008		
Internal Plating Total:						0.000246	1000000	3017.06958008
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000865	750000	10608.8007912		
		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)		0.000288	250000	3532.17895508		
		Die Attach Total:				0.001153	1000000	14140.9004608
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.006623	150000	81227.84375
Bromine (Br)	40099-09-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.036203	820000	444012.03125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001104	25000	13540.0195312		
Carbon Black (C)	1333-86-4			0.000221	5000	2710.45654297		
Encapsulation Total:						0.044151	1000000	541490.375
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000258	1000000	3164.2434082		

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