

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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TOTAL MASS (g) : 0.135823

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	0.001100	1000000	8098.74951172		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.047911	975000	352744.6875		
		Iron (Fe)	7439-89-6	0.001179	24000	8680.38671875		
		Phosphorus (P)	7723-14-0	0.000015	300	110.437484741		
		Zinc (Zn)	7440-66-6	0.000034	700	250.324981689		
		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	0.000000	0	0		
Lead Frame Total:				0.049139	1000000	361785.84375		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19035.28125		
		External Plating Total:				0.002585	1000000	19035.28125
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000393	1000000	2893.4621582		
Internal Plating Total:				0.000393	1000000	2893.4621582		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000507	750000	3732.78710938		
		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)		0.000169	250000	1244.26245117		
Die Attach Total:				0.000676	1000000	4977.04980469		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010624	130000	78219.1875		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.067828	830000	499383.59375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.002860	35000	21056.7460938		
		Carbon Black (C)	1333-86-4	0.000409	5000	3011.26220703		
		Encapsulation Total:				0.081721	1000000	601670.8125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000209	1000000	1538.7623291		
					TOTAL MASS (g) :	0.135823		