

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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(printed on: 2020-07-11 17:23:34)

TOTAL MASS (g) : 0.075424

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	0.003683	1000000	48830.7070312		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000153	1000000	2028.53601074		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	313601.0625		
		Iron (Fe)	7439-89-6	0.000582	24000	7716.39208984		
		Phosphorus (P)	7723-14-0	0.000007	300	92.8088378906		
		Zinc (Zn)	7440-66-6	0.000017	700	225.39289856		
		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:				0.024259	1000000	321635.625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19580.703125		
		External Plating Total:				0.001477	1000000	19580.703125
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2572.13061523		
Internal Plating Total:				0.000194	1000000	2572.13061523		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001042	750000	13815.2587891		
		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)		0.000347	250000	4600.66650391		
Die Attach Total:				0.001389	1000000	18415.9238281		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006613	150000	87677.828125		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036149	820000	479278.09375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001102	25000	14610.7626953		
		Carbon Black (C)	1333-86-4	0.000220	5000	2916.84912109		
		Encapsulation Total:				0.044084	1000000	584483.5625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2452.80493164		
					TOTAL MASS (g) :	0.075424		