

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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(printed on: 2020-07-11 19:59:45)

TOTAL MASS (g) : 0.075978

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	0.004232	1000000	55700.4453125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000176	1000000	2316.46435547		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	311314.40625		
		Iron (Fe)	7439-89-6	0.000582	24000	7660.12695312		
		Phosphorus (P)	7723-14-0	0.000007	300	92.1321105957		
		Zinc (Zn)	7440-66-6	0.000017	700	223.749420166		
		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	319290.40625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19437.9277344		
		External Plating Total:				0.001477	1000000	19437.9277344
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000068	1000000	894.997680664		
Internal Plating Total:				0.000068	1000000	894.997680664		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001156	750000	15214.9589844		
		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)		0.000385	250000	5067.26611328		
Die Attach Total:				0.001541	1000000	20282.2265625		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006606	150000	86946.390625		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036113	820000	475309.59375		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001101	25000	14491.0644531		
		Carbon Black (C)	1333-86-4	0.000220	5000	2895.58056641		
		Encapsulation Total:				0.044040	1000000	579642.5625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2434.92016602		
					TOTAL MASS (g) :	0.075978		