

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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TOTAL MASS (g) : 0.134859

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	0.003781	1000000	28036.5976562		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000157	1000000	1164.17504883		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.025972	580000	192585.6875		
		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	139463.71875		
		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:				0.044780	1000000	332049.4375		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19171.3496094		
		External Plating Total:				0.002585	1000000	19171.3496094
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2654.61547852		
Internal Plating Total:				0.000358	1000000	2654.61547852		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001071	750000	7941.6015625		
		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)		0.000357	250000	2647.20068359		
Die Attach Total:				0.001428	1000000	10588.8027344		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010584	130000	78481.7109375		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.067576	830000	501084.6875		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.002850	35000	21133.1132812		
		Carbon Black (C)	1333-86-4	0.000407	5000	3017.95703125		
		Encapsulation Total:				0.081417	1000000	603717.4375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2617.54003906		
					TOTAL MASS (g) :	0.134859		