

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

DDPAK

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TOTAL MASS (g) : 1.371123

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	0.002236	1000000	1630.78039551		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.827657	998500	603634.5		
		Iron (Fe)	7439-89-6	0.000000	0	0		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		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	0.001243	1500	906.556396484		
Lead Frame Total:				0.828900	1000000	604541.0625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.009685	1000000	7063.36523438		
		External Plating Total:				0.009685	1000000	7063.36523438
		Inter. Plating Ni	7440-02-0	0.005000	781250	3646.64672852		
		Inter. Plating Ag	7440-22-4	0.001400	218750	1021.06097412		
		Internal Plating Total:				0.006400	1000000	4667.70751953
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000065	50000	47.4064064026		
		Lead (Pb)	7439-92-1	0.001244	950000	907.285705566		
		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)		0.000000	0	0		
Die Attach Total:				0.001309	1000000	954.692016602		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.053704	103000	39167.9023438		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.466653	895000	340343.71875		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.001043	2000	760.690490723		
		Encapsulation Total:				0.521400	1000000	380272.3125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.001193	1000000	870.08984375		
					TOTAL MASS (g) :	1.371123		