

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1587cm-3.3#trpbf

(Engineering Calculation)

DDPAK

(printed on: 2020-07-11 20:13:02)

TOTAL MASS (g) : 1.374715

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	0.004895	1000000	3560.73852539		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.804033	970000	584872.625		
		Iron (Fe)	7439-89-6	0.021551	26000	15676.7070312		
		Phosphorus (P)	7723-14-0	0.000829	1000	603.034240723		
		Zinc (Zn)	7440-66-6	0.001243	1500	904.18762207		
		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	904.18762207		
Lead Frame Total:				0.828899	1000000	602960.75		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.009685	1000000	7044.90917969		
		External Plating Total:				0.009685	1000000	7044.90917969
		Inter. Plating Ni	7440-02-0	0.005000	781250	3637.11791992		
		Inter. Plating Ag	7440-22-4	0.001400	218750	1018.39306641		
Internal Plating Total:				0.006400	1000000	4655.51123047		
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000112	50000	81.4714508057		
		Lead (Pb)	7439-92-1	0.002131	950000	1550.13977051		
		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:				0.002243	1000000	1631.61120605		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.053704	103000	39065.5585938		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.466653	895000	339454.40625		
		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	758.702880859		
		Encapsulation Total:				0.521400	1000000	379278.65625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.001193	1000000	867.81640625		
					TOTAL MASS (g) :	1.374715		