

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1357cn8#pbf				(Engineering Calculation)		PDIP	
(printed on: 2020-07-11 19:19:38)					TOTAL MASS (g) :		0.49861
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	0.001870	1000000	3750.42407227	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000078	1000000	156.434783936	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.089088	580000	178672.609375	
		Phosphorus (P)	7723-14-0	0.000000	0	0	
		Zinc (Zn)	7440-66-6	0.000000	0	0	
		Nickel (Ni)	7440-02-0	0.064512	420000	129383.609375	
		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:		0.153600	1000000	308056.25	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24889.7597656	
		External Plating Total:		0.012410	1000000	24889.7597656	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2462.84521484	
		Internal Plating Total:		0.001228	1000000	2462.84521484	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000667	750000	1337.71813965	
		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)		0.000222	250000	445.237487793	
		Die Attach Total:		0.000889	1000000	1782.95556641	
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078780	240000	157999.15625	
		Bromine (Br)	40039-93-8	0.003282	10000	6582.29492188	
		Silica (SiO2)	60676-86-0	0.236340	720000	473997.4375	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009847	30000	19748.890625	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000000	0	0	
		Encapsulation Total:		0.328249	1000000	658327.75	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	573.594238281	
					TOTAL MASS (g) :	0.49861	