

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1115cn8#pbf		(Engineering Calculation)				PDIP	
(printed on: 2020-07-11 19:03:09)					TOTAL MASS (g) :		0.502863
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	0.005276	1000000	10491.9179688	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000294	1000000	584.651977539	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.089088	580000	177161.46875	
		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	128289.34375	
		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	305450.8125	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24679.2519531	
		External Plating Total:		0.012410	1000000	24679.2519531	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2442.01586914	
		Internal Plating Total:		0.001228	1000000	2442.01586914	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001344	750000	2672.69458008	
		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)		0.000448	250000	890.898254395	
		Die Attach Total:		0.001792	1000000	3563.59301758	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044277	135000	88049.7734375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.282060	860000	560907.875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.001640	5000	3261.32373047	
		Encapsulation Total:		0.327977	1000000	652219	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	568.743041992	
					TOTAL MASS (g) :		0.502863