

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1222cn8#pbf		(Engineering Calculation)				PDIP	
(printed on: 2020-07-11 20:05:45)					TOTAL MASS (g) :		0.500263
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	0.003102	1000000	6200.734375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	299362.34375	
		Iron (Fe)	7439-89-6	0.003686	24000	7368.11962891	
		Phosphorus (P)	7723-14-0	0.000046	300	91.9515762329	
		Zinc (Zn)	7440-66-6	0.000108	700	215.886306763	
		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	0.000000	0	0	
		Lead Frame Total:		0.153600	1000000	307038.3125	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24807.515625	
		External Plating Total:		0.012410	1000000	24807.515625	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2454.70727539	
		Internal Plating Total:		0.001228	1000000	2454.70727539	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000928	750000	1855.02307129	
		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)		0.000309	250000	617.674682617	
		Die Attach Total:		0.001237	1000000	2472.69775391	
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078816	240000	157549.03125	
		Bromine (Br)	40039-93-8	0.003284	10000	6564.54248047	
		Silica (SiO2)	60676-86-0	0.236448	720000	472647.0625	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009852	30000	19693.6289062	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000000	0	0	
		Encapsulation Total:		0.328400	1000000	656454.25	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	571.698852539	
					TOTAL MASS (g) :		0.500263