

LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc1050acn8#pbf				(Engineering Calculation)		PDIP	
(printed on: 2020-07-11 18:31:12)					TOTAL MASS (g) :		0.499784
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	0.002824	1000000	5650.43847656	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	299649.28125	
		Iron (Fe)	7439-89-6	0.003686	24000	7375.18212891	
		Phosphorus (P)	7723-14-0	0.000046	300	92.0397109985	
		Zinc (Zn)	7440-66-6	0.000108	700	216.093231201	
		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	307332.625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24831.2949219	
		External Plating Total:		0.012410	1000000	24831.2949219	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2457.06005859	
		Internal Plating Total:		0.001228	1000000	2457.06005859	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000865	750000	1730.74682617	
		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)		0.000288	250000	576.248657227	
		Die Attach Total:		0.001153	1000000	2306.99536133	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044334	135000	88706.2734375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.282424	860000	565091.875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.001642	5000	3285.41748047	
		Encapsulation Total:		0.328400	1000000	657083.5	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000169	1000000	338.145904541	
					TOTAL MASS (g) :	0.499784	