

LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc1450cn#pbf		(Engineering Calculation)				PDIP	
(printed on: 2020-07-11 16:23:04)					TOTAL MASS (g) :		1.585085
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	0.005144	1000000	3245.25170898	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.458357	975000	289168.71875	
		Iron (Fe)	7439-89-6	0.011283	24000	7118.22998047	
		Phosphorus (P)	7723-14-0	0.000141	300	88.9542160034	
		Zinc (Zn)	7440-66-6	0.000329	700	207.559844971	
		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:		0.470110	1000000	296583.4375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.037246	1000000	23497.8027344	
		External Plating Total:		0.037246	1000000	23497.8027344	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.003761	1000000	2372.7434082	
		Internal Plating Total:		0.003761	1000000	2372.7434082	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001325	750000	835.917236328	
		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)		0.000442	250000	278.849395752	
		Die Attach Total:		0.001767	1000000	1114.76672363	
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.143937	135000	90807.1171875	
		Bromine (Br)	40039-93-8	0.007463	7000	4708.26464844	
		Silica (SiO2)	60676-86-0	0.895608	840000	565022.0625	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.013861	13000	8744.64160156	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.005331	5000	3363.22631836	
		Encapsulation Total:		1.066200	1000000	672645.3125	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000857	1000000	540.664978027	
					TOTAL MASS (g) :		1.585085