

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1491cn#pbf				(Engineering Calculation)		PDIP	
(printed on: 2020-07-11 17:30:04)					TOTAL MASS (g) :		0.985477
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	0.002348	1000000	2382.60302734	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000131	1000000	132.93057251	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.169128	580000	171620.46875	
		Phosphorus (P)	7723-14-0	0.000000	0	0	
		Zinc (Zn)	7440-66-6	0.000000	0	0	
		Nickel (Ni)	7440-02-0	0.122472	420000	124276.898438	
		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:		0.291600	1000000	295897.375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.021727	1000000	22046.9550781	
		External Plating Total:		0.021727	1000000	22046.9550781	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.002333	1000000	2367.38183594	
		Internal Plating Total:		0.002333	1000000	2367.38183594	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000770	750000	781.34765625	
		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)		0.000257	250000	260.787506104	
		Die Attach Total:		0.001027	1000000	1042.13513184	
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.159795	240000	162149.9375	
		Bromine (Br)	40039-93-8	0.006658	10000	6756.12060547	
		Silica (SiO2)	60676-86-0	0.479384	720000	486448.78125	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.019974	30000	20268.3613281	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000000	0	0	
		Encapsulation Total:		0.665811	1000000	675623.25	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000500	1000000	507.368652344	
					TOTAL MASS (g) :		0.985477