

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1254cn#pbf		(Engineering Calculation)				PDIP
(printed on: 2020-07-11 18:30:43)					TOTAL MASS (g) : 0.984581	
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	0.001609	1000000	1634.19799805
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.284310	975000	288762.5
		Iron (Fe)	7439-89-6	0.006998	24000	7107.59375
		Phosphorus (P)	7723-14-0	0.000087	300	88.3624725342
		Zinc (Zn)	7440-66-6	0.000204	700	207.194763184
		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:		0.291599	1000000	296165.65625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.021727	1000000	22067.0175781
		External Plating Total:		0.021727	1000000	22067.0175781
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.002333	1000000	2369.53637695
		Internal Plating Total:		0.002333	1000000	2369.53637695
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000610	750000	619.552978516
		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)		0.000203	250000	206.179122925
		Die Attach Total:		0.000813	1000000	825.732116699
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.159840	240000	162343.203125
		Bromine (Br)	40039-93-8	0.006660	10000	6764.30029297
		Silica (SiO2)	60676-86-0	0.479520	720000	487029.59375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.019980	30000	20292.9003906
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.666000	1000000	676430
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000500	1000000	507.830352783
					TOTAL MASS (g) :	0.984581