

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1259in#pbf

(Engineering Calculation)

PDIP

(printed on: 2020-07-11 19:41:45)					TOTAL MASS (g) : 0.984776	
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	0.001916	1000000	1945.62060547
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.284310	975000	288705.3125
		Iron (Fe)	7439-89-6	0.006998	24000	7106.18652344
		Phosphorus (P)	7723-14-0	0.000087	300	88.3449859619
		Zinc (Zn)	7440-66-6	0.000204	700	207.153747559
		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	296107
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.021727	1000000	22062.6503906
		External Plating Total:		0.021727	1000000	22062.6503906
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.002333	1000000	2369.06713867
		Internal Plating Total:		0.002333	1000000	2369.06713867
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000679	750000	689.497070312
		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)		0.000226	250000	229.493881226
		Die Attach Total:		0.000905	1000000	918.990905762
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.159840	240000	162311.0625
		Bromine (Br)	40039-93-8	0.006660	10000	6762.9609375
		Silica (SiO2)	60676-86-0	0.479520	720000	486933.15625
		Antimony Trioxide (Sb2O3)	1309-64-4	0.019980	30000	20288.8828125
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.666000	1000000	676296.125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000296	1000000	300.576049805
					TOTAL MASS (g) :	0.984776