

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1212cn#pbf

(Engineering Calculation)

PDIP

(printed on: 2020-07-11 16:24:54)

TOTAL MASS (g) : 0.987231

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	0.003683	1000000	3730.63745117
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.284310	975000	287987.375
		Iron (Fe)	7439-89-6	0.006998	24000	7088.51513672
		Phosphorus (P)	7723-14-0	0.000087	300	88.125289917
		Zinc (Zn)	7440-66-6	0.000204	700	206.63861084
		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	295370.65625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.021727	1000000	22007.7851562
		External Plating Total:		0.021727	1000000	22007.7851562
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.002333	1000000	2363.17602539
		Internal Plating Total:		0.002333	1000000	2363.17602539
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001042	750000	1055.47766113
		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)		0.000347	250000	351.488220215
		Die Attach Total:		0.001389	1000000	1406.96594238
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.159840	240000	161907.4375
		Bromine (Br)	40039-93-8	0.006660	10000	6746.14306641
		Silica (SiO2)	60676-86-0	0.479520	720000	485722.3125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.019980	30000	20238.4296875
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.666000	1000000	674614.3125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000500	1000000	506.467254639
					TOTAL MASS (g) :	0.987231