

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1260cn#pbf		(Engineering Calculation)				PDIP
(printed on: 2020-07-11 17:10:28)					TOTAL MASS (g) : 1.018974	
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	1880.32275391
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.313072	975000	307242.375
		Iron (Fe)	7439-89-6	0.007706	24000	7562.50830078
		Phosphorus (P)	7723-14-0	0.000096	300	94.2124099731
		Zinc (Zn)	7440-66-6	0.000225	700	220.810317993
		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:		0.321099	1000000	315119.90625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.024547	1000000	24089.9003906
		External Plating Total:		0.024547	1000000	24089.9003906
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.002569	1000000	2521.16333008
		Internal Plating Total:		0.002569	1000000	2521.16333008
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000679	750000	666.356445312
		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	221.791702271
		Die Attach Total:		0.000905	1000000	888.148254395
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.090126	135000	88447.7890625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.574136	860000	563445.125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.003338	5000	3275.84399414
		Encapsulation Total:		0.667600	1000000	655168.75
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000338	1000000	331.706207275
					TOTAL MASS (g) :	1.018974