

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc1152cn8#pbf		(Engineering Calculation)				PDIP
(printed on: 2020-07-11 21:32:23)					TOTAL MASS (g) : 0.49994	
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	0.002853	1000000	5706.68164062
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	299555.75
		Iron (Fe)	7439-89-6	0.003686	24000	7372.87988281
		Phosphorus (P)	7723-14-0	0.000046	300	92.0109863281
		Zinc (Zn)	7440-66-6	0.000108	700	216.025787354
		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:		0.153600	1000000	307236.6875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24823.5449219
		External Plating Total:		0.012410	1000000	24823.5449219
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2456.29345703
		Internal Plating Total:		0.001228	1000000	2456.29345703
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000872	750000	1744.20825195
		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)		0.000291	250000	582.069519043
		Die Attach Total:		0.001163	1000000	2326.27783203
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078816	240000	157650.8125
		Bromine (Br)	40039-93-8	0.003284	10000	6568.78417969
		Silica (SiO2)	60676-86-0	0.236448	720000	472952.5
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009852	30000	19706.3515625
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.328400	1000000	656878.4375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	572.068237305
					TOTAL MASS (g) :	0.49994