

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1495cn8#pbf		(Engineering Calculation)				PDIP
(printed on: 2020-07-11 16:31:55)					TOTAL MASS (g) : 0.500386	
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	0.003267	1000000	6528.95605469
Die Coat	Dow Corning	Silicone	69430-27-9	0.000182	1000000	363.718994141
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.089088	580000	178038.453125
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.064512	420000	128924.398438
		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	306962.84375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24801.4199219
		External Plating Total:		0.012410	1000000	24801.4199219
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2454.10424805
		Internal Plating Total:		0.001228	1000000	2454.10424805
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000957	750000	1912.52233887
		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)		0.000319	250000	637.507446289
		Die Attach Total:		0.001276	1000000	2550.02978516
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078753	240000	157384.40625
		Bromine (Br)	40039-93-8	0.003281	10000	6556.93408203
		Silica (SiO2)	60676-86-0	0.236259	720000	472153.21875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009844	30000	19672.8007812
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.328137	1000000	655767.375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	571.558410645
					TOTAL MASS (g) :	0.500386