LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1793in8#pbf **(Engineering Calculation)** **PDIP**

(printed on: 2020-07-11 19:07:59) **TOTAL MASS (g): 0.499483**

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	**0.002685**	**1000000**	**5375.55517578**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000643**	**1000000**	**1287.33044434**
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.089088	580000	178360.328125
		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	129157.484375
		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**	**307517.8125**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24846.2597656
		External Plating Total:		**0.012410**	**1000000**	**24846.2597656**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2458.54101562
		Internal Plating Total:		**0.001228**	**1000000**	**2458.54101562**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000846	750000	1693.75036621
		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)		0.000282	250000	564.583435059
		Die Attach Total:		**0.001128**	**1000000**	**2258.33374023**
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078601	240000	157364.640625
		Bromine (Br)	40039-93-8	0.003275	10000	6556.77636719
		Silica (SiO2)	60676-86-0	0.235802	720000	472091.875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009825	30000	19670.328125
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		**0.327503**	**1000000**	**655683.625**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000286**	**1000000**	**572.59173584**
					TOTAL MASS (g):	**0.499483**