LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1114in#pbf **(Engineering Calculation)** **PDIP**

(printed on: 2020-07-11 18:35:47) **TOTAL MASS (g): 0.987081**

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	**0.003675**	**1000000**	**3723.09936523**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000153**	**1000000**	**155.002502441**
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.169128	580000	171341.59375
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.122472	420000	124074.953125
		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:		**0.291600**	**1000000**	**295416.53125**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.021727	1000000	22011.1289062
		External Plating Total:		**0.021727**	**1000000**	**22011.1289062**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.002333	1000000	2363.53515625
		Internal Plating Total:		**0.002333**	**1000000**	**2363.53515625**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001041	750000	1054.62487793
		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	351.541625977
		Die Attach Total:		**0.001388**	**1000000**	**1406.16650391**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.089870	135000	91046.2421875
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.572506	860000	579999.125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.003329	5000	3372.57080078
		Encapsulation Total:		**0.665705**	**1000000**	**674418**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000500**	**1000000**	**506.544128418**
					TOTAL MASS (g):	**0.987081**