LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1466lcn8#pbf **(Engineering Calculation)** **PDIP**

(printed on: 2020-07-11 18:34:01) **TOTAL MASS (g): 0.501712**

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	**0.004326**	**1000000**	**8622.47167969**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000241**	**1000000**	**480.354980469**
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.089088	580000	177567.90625
		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	128583.640625
		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**	**306151.5625**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24735.8691406
		External Plating Total:		**0.012410**	**1000000**	**24735.8691406**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2447.61791992
		Internal Plating Total:		**0.001228**	**1000000**	**2447.61791992**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001177	750000	2345.96582031
		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)		0.000392	250000	781.32421875
		Die Attach Total:		**0.001569**	**1000000**	**3127.2902832**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044287	135000	88271.703125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.282125	860000	562324.25
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.001640	5000	3268.80566406
		Encapsulation Total:		**0.328052**	**1000000**	**653864.8125**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000286**	**1000000**	**570.047790527**
					TOTAL MASS (g):	**0.501712**