

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1178in8#pbf		(Engineering Calculation)				PDIP	
(printed on: 2020-07-11 20:04:50)					TOTAL MASS (g) :		0.501296
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	0.004001	1000000	7981.30664062	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000223	1000000	444.84664917	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.089088	580000	177715.234375	
		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	128690.34375	
		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	306405.59375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24756.3964844	
		External Plating Total:		0.012410	1000000	24756.3964844	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2449.64892578	
		Internal Plating Total:		0.001228	1000000	2449.64892578	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001102	750000	2198.30053711	
		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)		0.000367	250000	732.101928711	
		Die Attach Total:		0.001469	1000000	2930.40258789	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044291	135000	88352.9296875	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.282148	860000	562836.75	
		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	3271.51806641	
		Encapsulation Total:		0.328079	1000000	654461.125	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	570.520812988	
					TOTAL MASS (g) :		0.501296