

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1495is8#pbf			(Engineering Calculation)			SOIC	
(printed on: 2020-07-11 19:23:18)					TOTAL MASS (g) :		0.074914
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	43610.09375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000136	1000000	1815.4185791	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.014071	580000	187829.078125	
		Phosphorus (P)	7723-14-0	0.000000	0	0	
		Zinc (Zn)	7440-66-6	0.000000	0	0	
		Nickel (Ni)	7440-02-0	0.010189	420000	136009.5625	
		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:		0.024260	1000000	323838.625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19714.0039062	
		External Plating Total:		0.001477	1000000	19714.0039062	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2589.64111328	
		Internal Plating Total:		0.000194	1000000	2589.64111328	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000957	750000	12774.6728516	
		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	4258.22460938	
		Die Attach Total:		0.001276	1000000	17032.8984375	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006618	150000	88341.4765625	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036177	820000	482914.65625	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001103	25000	14723.5791016	
		Carbon Black (C)	1333-86-4	0.000221	5000	2950.05517578	
		Encapsulation Total:		0.044119	1000000	588929.8125	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2469.50317383	
					TOTAL MASS (g) :		0.074914