

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1491acs#trpbf		(Engineering Calculation)				SOIC
(printed on: 2020-07-11 20:10:50)					TOTAL MASS (g) : 0.132611	
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	0.001976	1000000	14900.6748047
Die Coat	Dow Corning	Silicone	69430-27-9	0.000082	1000000	618.347839355
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.025972	580000	195850.375
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.018808	420000	141827.875
		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:		0.044780	1000000	337678.28125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19496.3398438
		External Plating Total:		0.002585	1000000	19496.3398438
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2699.61621094
		Internal Plating Total:		0.000358	1000000	2699.61621094
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000686	750000	5173.00732422
		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)		0.000229	250000	1726.8494873
		Die Attach Total:		0.000915	1000000	6899.85693359
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010603	130000	79955.3984375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067696	830000	510483.875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002855	35000	21529.0644531
		Carbon Black (C)	1333-86-4	0.000408	5000	3076.65771484
		Encapsulation Total:		0.081562	1000000	615044.9375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2661.91235352
					TOTAL MASS (g) :	0.132611