

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6202cs8#trpbf		(Engineering Calculation)				SOIC	
(printed on: 2020-07-11 16:59:45)					TOTAL MASS (g) :		0.071572
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	0.000642	1000000	8970.00683594	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000027	1000000	377.243286133	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.014071	580000	196599.640625	
		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	142360.4375	
		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	338960.09375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20634.5371094	
		External Plating Total:		0.001477	1000000	20634.5371094	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2710.56298828	
		Internal Plating Total:		0.000194	1000000	2710.56298828	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000344	750000	4806.35888672	
		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)		0.000115	250000	1606.77697754	
		Die Attach Total:		0.000459	1000000	6413.13623047	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006649	150000	92899.65625	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036349	820000	507867.28125	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001108	25000	15480.9472656	
		Carbon Black (C)	1333-86-4	0.000222	5000	3101.77832031	
		Encapsulation Total:		0.044328	1000000	619349.6875	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2584.81494141	
					TOTAL MASS (g) :		0.071572