

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1079sw#trpbf		(Engineering Calculation)				SOIC WIDE	
(printed on: 2020-07-11 20:01:04)					TOTAL MASS (g) :		0.247971
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	0.003584	1000000	14453.2822266	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000149	1000000	600.875854492	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.138021	975000	556600.625	
		Iron (Fe)	7439-89-6	0.003397	24000	13699.1630859	
		Phosphorus (P)	7723-14-0	0.000042	300	169.374404907	
		Zinc (Zn)	7440-66-6	0.000099	700	399.239654541	
		Nickel (Ni)	7440-02-0	0.000000	0	0	
		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:		0.141559	1000000	570868.375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.004771	1000000	19241.6113281	
		External Plating Total:		0.004771	1000000	19241.6113281	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001132	1000000	4565.04345703	
		Internal Plating Total:		0.001132	1000000	4565.04345703	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001021	750000	4117.41113281	
		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)		0.000340	250000	1371.12609863	
		Die Attach Total:		0.001361	1000000	5488.53710938	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.009786	103000	39464.234375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.085036	895000	342926.71875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000190	2000	766.217529297	
		Encapsulation Total:		0.095012	1000000	383157.15625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000403	1000000	1625.18786621	
					TOTAL MASS (g) :		0.247971