

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc1856ig#trpbf			(Engineering Calculation)			SSOP	
(printed on: 2020-07-11 17:02:56)					TOTAL MASS (g) :		0.237011
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	0.008030	1000000	33880.2929688	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.122431	975000	516562.65625	
		Iron (Fe)	7439-89-6	0.003014	24000	12716.7128906	
		Phosphorus (P)	7723-14-0	0.000038	300	160.330154419	
		Zinc (Zn)	7440-66-6	0.000088	700	371.290863037	
		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:		0.125571	1000000	529810.9375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.003749	1000000	15817.546875	
		External Plating Total:		0.003749	1000000	15817.546875	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001005	1000000	4240.31005859	
		Internal Plating Total:		0.001005	1000000	4240.31005859	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001867	750000	7877.2734375	
		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)		0.000622	250000	2624.3515625	
		Die Attach Total:		0.002489	1000000	10501.625	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.009848	103000	41550.8242188	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.085571	895000	361042.40625	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000191	2000	805.869995117	
		Encapsulation Total:		0.095610	1000000	403399.125	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000557	1000000	2350.10229492	
					TOTAL MASS (g) :		0.237011