

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc3832-1es8#trpbf			(Engineering Calculation)			SOIC	
(printed on: 2020-07-11 22:26:31)					TOTAL MASS (g) :		0.075426
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	0.003629	1000000	48113.4804688	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	313592.75	
		Iron (Fe)	7439-89-6	0.000582	24000	7716.1875	
		Phosphorus (P)	7723-14-0	0.000007	300	92.8063812256	
		Zinc (Zn)	7440-66-6	0.000017	700	225.386932373	
		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:		0.024259	1000000	321627.125	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19580.1835938	
		External Plating Total:		0.001477	1000000	19580.1835938	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2572.0625	
		Internal Plating Total:		0.000194	1000000	2572.0625	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001033	750000	13695.5693359	
		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)		0.000344	250000	4560.77099609	
		Die Attach Total:		0.001377	1000000	18256.3398438	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	88258.8671875	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036392	820000	482487.125	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001110	25000	14716.4394531	
		Carbon Black (C)	1333-86-4	0.000222	5000	2943.28808594	
		Encapsulation Total:		0.044381	1000000	588405.75	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1445.12792969	
					TOTAL MASS (g) :		0.075426