

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc2051cs8#trpbf		(Engineering Calculation)				SOIC	
(printed on: 2020-07-11 16:26:57)					TOTAL MASS (g) :		0.073048
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	0.001877	1000000	25695.484375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	323801.46875	
		Iron (Fe)	7439-89-6	0.000582	24000	7967.37988281	
		Phosphorus (P)	7723-14-0	0.000007	300	95.8275909424	
		Zinc (Zn)	7440-66-6	0.000017	700	232.724151611	
		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	332097.34375	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20217.5957031	
		External Plating Total:		0.001477	1000000	20217.5957031	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000068	1000000	930.896606445	
		Internal Plating Total:		0.000068	1000000	930.896606445	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000658	750000	9007.79394531	
		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)		0.000219	250000	2998.03466797	
		Die Attach Total:		0.000877	1000000	12005.828125	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	91132.046875	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036392	820000	498193.9375	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001110	25000	15195.5175781	
		Carbon Black (C)	1333-86-4	0.000222	5000	3039.10375977	
		Encapsulation Total:		0.044381	1000000	607560.625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1492.17248535	
					TOTAL MASS (g) :		0.073048