

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc1261cs8-4.5#pbf			(Engineering Calculation)			SOIC	
(printed on: 2020-07-11 21:33:28)					TOTAL MASS (g) :		0.073907
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	0.002442	1000000	33041.5898438	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	320038	
		Iron (Fe)	7439-89-6	0.000582	24000	7874.77734375	
		Phosphorus (P)	7723-14-0	0.000007	300	94.7138214111	
		Zinc (Zn)	7440-66-6	0.000017	700	230.019271851	
		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	328237.46875	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19982.6113281	
		External Plating Total:		0.001477	1000000	19982.6113281	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2624.92578125	
		Internal Plating Total:		0.000194	1000000	2624.92578125	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000784	750000	10607.9462891	
		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)		0.000261	250000	3531.47241211	
		Die Attach Total:		0.001045	1000000	14139.4199219	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	90072.84375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036392	820000	492403.59375	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001110	25000	15018.9042969	
		Carbon Black (C)	1333-86-4	0.000222	5000	3003.78100586	
		Encapsulation Total:		0.044381	1000000	600499.0625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1474.8293457	
					TOTAL MASS (g) :		0.073907