

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6203cs8#trpbf				(Engineering Calculation)		SOIC
(printed on: 2020-07-11 18:24:46)					TOTAL MASS (g) : 0.072465	
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	0.001283	1000000	17705.1347656
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.014071	580000	194176.875
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.010189	420000	140606.09375
		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:		0.024260	1000000	334783
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20380.2539062
		External Plating Total:		0.001477	1000000	20380.2539062
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2677.15991211
		Internal Plating Total:		0.000194	1000000	2677.15991211
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000514	750000	7093.09375
		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)		0.000171	250000	2359.76464844
		Die Attach Total:		0.000685	1000000	9452.85839844
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	91865.2265625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	502202.09375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	15317.7695312
		Carbon Black (C)	1333-86-4	0.000222	5000	3063.55419922
		Encapsulation Total:		0.044381	1000000	612448.625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2552.96166992
					TOTAL MASS (g) :	0.072465