

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6203xs8#trpbf		(Engineering Calculation)				SOIC
(printed on: 2020-07-11 18:08:53)					TOTAL MASS (g) : 0.072463	
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	17705.625
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	326415.53125
		Iron (Fe)	7439-89-6	0.000582	24000	8031.70166016
		Phosphorus (P)	7723-14-0	0.000007	300	96.6012268066
		Zinc (Zn)	7440-66-6	0.000017	700	234.602981567
		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	334778.4375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20380.8164062
		External Plating Total:		0.001477	1000000	20380.8164062
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2677.23388672
		Internal Plating Total:		0.000194	1000000	2677.23388672
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000514	750000	7093.29052734
		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	2359.83007812
		Die Attach Total:		0.000685	1000000	9453.12011719
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.004571	103000	63080.6015625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.039720	895000	548142.9375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000089	2000	1228.21569824
		Encapsulation Total:		0.044380	1000000	612451.8125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2553.03222656
					TOTAL MASS (g) :	0.072463