

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc1566-1cs8#pbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 18:50:46)

TOTAL MASS (g) : 0.076406

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	0.004473	1000000	58542.6328125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000186	1000000	2434.3684082		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	309570.53125		
		Iron (Fe)	7439-89-6	0.000582	24000	7617.21728516		
		Phosphorus (P)	7723-14-0	0.000007	300	91.6160202026		
		Zinc (Zn)	7440-66-6	0.000017	700	222.496047974		
		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	317501.84375		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19329.0429688		
		External Plating Total:				0.001477	1000000	19329.0429688
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2539.07250977		
Internal Plating Total:				0.000194	1000000	2539.07250977		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001208	750000	15810.3066406		
		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)		0.000403	250000	5274.46533203		
Die Attach Total:				0.001611	1000000	21084.7714844		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006603	150000	86420.078125		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036097	820000	472437.65625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001101	25000	14409.890625		
		Carbon Black (C)	1333-86-4	0.000220	5000	2879.3605957		
		Encapsulation Total:				0.044021	1000000	576146.9375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2421.28027344		
					TOTAL MASS (g) :	0.076406		