

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1571egn-1#trpbf

(Engineering Calculation)

SSOP

(printed on: 2020-07-11 19:22:01)

TOTAL MASS (g) : 0.17336

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	0.004880	1000000	28149.5253906		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.063999	975000	369168.3125		
		Iron (Fe)	7439-89-6	0.001575	24000	9085.14355469		
		Phosphorus (P)	7723-14-0	0.000020	300	115.366897583		
		Zinc (Zn)	7440-66-6	0.000046	700	265.34387207		
		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:				0.065640	1000000	378634.1875		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.003749	1000000	21625.1308594		
		External Plating Total:				0.003749	1000000	21625.1308594
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000525	1000000	3028.38110352		
Internal Plating Total:				0.000525	1000000	3028.38110352		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001278	750000	7371.94482422		
		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)		0.000426	250000	2457.31518555		
Die Attach Total:				0.001704	1000000	9829.26074219		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.009848	103000	56806.6601562		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.085571	895000	493603.0625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000191	2000	1101.75390625		
		Encapsulation Total:				0.095610	1000000	551511.4375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.001252	1000000	7221.9677344		
					TOTAL MASS (g) :	0.17336		