

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1571egn-5#pbf

(Engineering Calculation)

SSOP

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TOTAL MASS (g) : 0.084534

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	57728.1992188		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	354093.90625		
		Iron (Fe)	7439-89-6	0.000737	24000	8718.37890625		
		Phosphorus (P)	7723-14-0	0.000009	300	106.465950012		
		Zinc (Zn)	7440-66-6	0.000021	700	248.420547485		
		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:				0.030700	1000000	363167.15625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002272	1000000	26877.6835938		
		External Plating Total:				0.002272	1000000	26877.6835938
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000246	1000000	2910.06933594		
Internal Plating Total:				0.000246	1000000	2910.06933594		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001278	750000	15118.1640625		
		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	5039.38818359		
Die Attach Total:				0.001704	1000000	20157.5527344		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006623	150000	78347.109375		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036203	820000	428265.1875		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001104	25000	13059.8232422		
		Carbon Black (C)	1333-86-4	0.000221	5000	2614.33056641		
		Encapsulation Total:				0.044151	1000000	522286.46875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000581	1000000	6872.96826172		
					TOTAL MASS (g) :	0.084534		