

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4267CGN#PBF

(Engineering Calculation)

SSOP

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TOTAL MASS (g): 0.078569

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	0.000851	1000000	10831.2323984		
Die Coat	Dow Corning	Silicone	69130-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	389976.84375		
		Iron (Fe)	7439-89-6	0.000737	24000	9380.28125		
		Phosphorus (P)	7723-14-0	0.000009	300	114.54888916		
		Zinc (Zn)	7440-66-6	0.000021	700	267280731201		
		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	390738.94875
Plating	PMI	Enter. Plating Pb	7439-92-1	0.000000	0	0		
		Enter. Plating Sn	7440-31-5	0.002272	1000000	28918.25		
		External Plating Total:				0.002272	1000000	28918.25
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000266	1000000	3131.00292969		
		Internal Plating Total:				0.000266	1000000	3131.00292969
Die Attach	ELECTRICALLY INSULATING ADHESIVE	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead (Pb)	7439-92-1	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.000005	50000	63.6382675171		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000027	300000	345.646636963		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000059	650000	750.93157959		
		Die Attach Total:				0.000091	1000000	1158.2165273
		Encapsulation	MULTIAROMATIC RESIN B/SB-FREE	Resin (EP)		0.006623	150000	84295.25
				Bromine (Br)	40039-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.036203	820000	46079.25		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001104	25000	34051.3300781		
Carbon Black (C)	1333-86-4			0.000221	5000	2812.81152344		
Encapsulation Total:				0.044151	1000000	543938.625		
Bond Wire Estimated	APW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000258	1000000	3283.734375		

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