

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4240CGN#PBF

(Engineering Calculation)

SSOP

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TOTAL MASS (g): 0.174776

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	0.006542	1000000	37420.78125
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.063999	975000	366177.375
		Iron (Fe)	7439-89-6	0.001575	24000	9011.53808594
		Phosphorus (P)	7723-14-0	0.000020	300	114.432220459
		Zinc (Zn)	7440-66-6	0.000046	700	263.194122314
		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	375566.5625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.003749	1000000	21449.9296875
		External Plating Total:		0.003749	1000000	21449.9296875
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000525	1000000	3003.84570312
		Internal Plating Total:		0.000525	1000000	3003.84570312
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001615	750000	9240.40234375
		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)		0.000538	250000	3078.22705078
		Die Attach Total:		0.002153	1000000	12318.6298038
Encapsulation	MULTIAROMATIC RESIN BzSB FREE	Resin (EP)		0.099848	103000	56346.4257812
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.085571	895000	489604
		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	1092.82775879
		Encapsulation Total:		0.095610	1000000	547043.25
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000557	1000000	3186.9375

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