

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1372CN8#PBF

(Engineering Calculation)

PDP

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TOTAL MASS (g): 0.500461

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	0.00254	1000000	6502.00097656
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	299243.875
		Iron (Fe)	7439-89-6	0.003686	24000	7365.20410156
		Phosphorus (P)	7723-14-0	0.000046	300	91.9151916504
		Zinc (Zn)	7440-66-6	0.000108	700	215.800888062
		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:		0.153600	1000000	306016.84275
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24797.7011719
		External Plating Total:		0.012410	1000000	24797.7011719
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2453.73608398
		Internal Plating Total:		0.001228	1000000	2453.73608398
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000962	750000	1922.22644043
		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)		0.00021	250000	641.408201125
		Die Attach Total:		0.001283	1000000	2563.63476562
Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.044334	135000	88386.265625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.282424	860000	564327.3125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.001642	5000	3280.9720039
		Encapsulation Total:		0.328400	1000000	656194.5
Bond Wire Estimated	AFW/TANAKA/ Kti	Gold (Au)	7440-57-5	0.000286	1000000	571.47265625

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0.500461