

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1236AIN8-10#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.499282

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	0.002369	1000000	4744.81103516		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000122	1000000	264.379516602		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	178432.140625		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.064512	420000	129209.476562		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.153600	1000000	307641.625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.012410	1000000	24856.2617188		
External Plating Total:						0.012410	1000000	24856.2617188
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.001228	1000000	2459.53076172		
Internal Plating Total:						0.001228	1000000	2459.53076172
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000786	750000	1574.25976562		
		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)		0.000262	250000	524.753234863		
		Die Attach Total:				0.001048	1000000	2099.01293945
		Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078770	240000	157766.46875
Bromine (Br)	40039-93-8			0.003282	10000	6573.43603516		
Silica (SiO2)	60676-86-0			0.236311	720000	473301.40625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.009846	30000	19720.3085938		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000000	0	0		
Encapsulation Total:						0.328209	1000000	657361.625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000286	1000000	572.82220459		

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