

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1114ACN#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.987081

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	0.002675	1000000	3723.0993623		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000153	1000000	155.002502441		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.169128	580000	171341.59375		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.122472	420000	124074.953125		
		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:				0.291600	1000000	295416.53125
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.021727	1000000	22011.128962		
External Plating Total:						0.021727	1000000	22011.128962
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.002333	1000000	2363.53515625		
Internal Plating Total:						0.002333	1000000	2363.53515625
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001041	750000	1054.62487793		
		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)		0.000147	250000	351.541625977		
		Die Attach Total:				0.001188	1000000	1406.16650291
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.089870	135000	91046.2421875
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.572506	860000	579999.125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.003329	5000	3372.57080078		
Encapsulation Total:						0.665795	1000000	674418
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000500	1000000	506.544128418		

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