

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT3082EDD#TRPBF

(Engineering Calculation)

DFN 3mm X 3mm Exp. Pad

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TOTAL MASS (g): 0.021948

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	0.000587	1000000	26744.5742188		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.009350	975000	42599.625		
		Iron (Fe)	7439-89-6	0.000230	24000	10479.1357422		
		Phosphorus (P)	7723-14-0	0.000003	300	136.684371948		
		Zinc (Zn)	7440-66-6	0.000007	700	318.930206299		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		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:				0.009590	1000000	43034.34375
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000437	1000000	1927.4898844		
External Plating Total:						0.000437	1000000	1927.4898844
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000218	1000000	9932.39746094		
Internal Plating Total:						0.000218	1000000	9932.39746094
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000423	750000	1927.4941406		
		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)		0.000141	250000	6424.16552734		
		Die Attach Total:				0.000564	1000000	25696.621094
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.001168	130000	62328.0742188
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.009047	860000	412194.5		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000105	10000	4783.953125		
Encapsulation Total:						0.010220	1000000	479306.53125
Bond Wire Estimated	AFW/TANAKA/Kn			Gold (Au)	7440-57-5	0.000032	1000000	1457.9666748

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