

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4264CDE#PBF

(Engineering Calculation)

DFN 4mm X 3mm Exp. Pad

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TOTAL MASS (g): 0.032046

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	0.002145	1000000	66935.3829125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.012783	975000	398897.40625		
		Iron (Fe)	7439-89-6	0.000115	24000	9829.67089844		
		Phosphorus (P)	7723-14-0	0.000004	300	124.821220398		
		Zinc (Zn)	7440-66-6	0.000009	700	280.847747803		
		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:				0.013111	1000000	409132.75
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000607	1000000	18936.4609375		
External Plating Total:						0.000607	1000000	18936.4609375
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000295	1000000	9285.56445312		
Internal Plating Total:						0.000295	1000000	9285.56445312
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000965	750000	30113.1191406		
		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)		0.000122	250000	10848.1082984		
		Die Attach Total:				0.001287	1000000	40161.2365625
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.001888	130000	58915.6132812
Bromine (Br)	40079-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.012487	860000	389660.625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000145	10000	4524.76904297		
Encapsulation Total:						0.014520	1000000	453101
Lead Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000081	1000000	2527.62963867		

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