

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC4263CDE-1#PBF

(Engineering Calculation)

DFN 4mm X 3mm Exp. Pad

(printed on: 2014-01-20 00:22:55)

TOTAL MASS (g): 0.032894

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	0.002542	1000000	77279.078125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.013133	975000	399254.90625		
		Iron (Fe)	7439-89-6	0.000223	24000	9819.48828125		
		Phosphorus (P)	7723-14-0	0.000004	300	121.60357666		
		Zinc (Zn)	7440-66-6	0.000009	700	273.608062744		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-99-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.013469	1000000	409409.65625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000626	1000000	19023.9296875		
External Plating Total:						0.000626	1000000	19023.9296875
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000362	1000000	9181.0703125		
Internal Plating Total:						0.000362	1000000	9181.0703125
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001102	750000	33501.7851562		
		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)		0.000367	250000	11157.1279297		
		Die Attach Total:				0.001469	1000000	44658.9140625
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.001876	130000	57032.0742188
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.012410	860000	377275.09375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000144	10000	4377.72900391		
Encapsulation Total:						0.014430	1000000	438684.90625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000056	1000000	1702.45007324		

TOTAL MASS (g): 0.032894