

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

DFN 3mm X 3mm Exp. Pad

LT4275BHDD#TRPBF

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TOTAL MASS (g): 0.023285

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	0.001227	1000000	52094.844675		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.009711	975000	417043.125		
		Iron (Fe)	7439-89-6	0.000239	24000	10263.9589844		
		Phosphorus (P)	7723-14-0	0.000003	300	128.836303711		
		Zinc (Zn)	7440-66-6	0.000007	700	306.618041992		
		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:				0.009960	1000000	427736.53125
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000455	1000000	19555.7480469		
External Plating Total:						0.000455	1000000	19555.7480469
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000225	1000000	9662.72262625		
Internal Plating Total:						0.000225	1000000	9662.72262625
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000651	750000	28043.3691406		
		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)		0.000218	250000	9362.10449219		
		Die Attach Total:				0.000871	1000000	37405.4726562
		Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.011362	130000	58491.6796875
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.009013	860000	387067.1875		
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	4509.27600781		
Encapsulation Total:						0.010480	1000000	450668.125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000067	1000000	2877.34423828		

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