

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT3024IDE#PBF

(Engineering Calculation)

DFN 4mm X 3mm Exp. Pad

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TOTAL MASS (g): 0.032203

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	0.002243	1000000	72532.339375		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.012783	975000	395723.78125		
		Iron (Fe)	7439-89-6	0.000315	24000	9751.46679688		
		Phosphorus (P)	7723-14-0	0.000004	300	123.828140259		
		Zinc (Zn)	7440-66-6	0.000009	700	276.61311768		
		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:				0.013111	1000000	408877.71875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000607	1000000	18785.8027344		
External Plating Total:						0.000607	1000000	18785.8027344
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000295	1000000	9132.3251931		
Internal Plating Total:						0.000295	1000000	9132.3251931
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001034	750000	32009.5761719		
		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)		0.000145	250000	10680.1777344		
		Die Attach Total:				0.001179	1000000	42689.75
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.001888	130000	5846.8828125
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.012487	860000	38650.5		
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	488.77600781		
Encapsulation Total:						0.014520	1000000	44946.15625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000048	1000000	1485.93774414		

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