

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2264CUJ-12#TRPBF (Engineering Calculation) QFN 6mm X 6mm Exp. Pad

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TOTAL MASS (g): 0.105572

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	0.002657	1000000	34639.99625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.043661	975000	413566.59375		
		Iron (Fe)	7439-89-6	0.001075	24000	10182.6167188		
		Phosphorus (P)	7723-14-0	0.000013	300	123.13886261		
		Zinc (Zn)	7440-66-6	0.000031	700	293.63824463		
		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:				0.044780	1000000	424166.03125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.004194	1000000	39725.3632812		
		External Plating Total:				0.004194	1000000	39725.3632812
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000108	1000000	1022.99975586		
		Internal Plating Total:				0.000108	1000000	1022.99975586
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001388	750000	13147.4404297		
		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)		0.000463	250000	4385.6318359		
		Die Attach Total:				0.001851	1000000	17533.078125
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.006540	130000	6198.3164062
				Bromine (Br)	40039-09-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.043267	860000	409834.53125		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000503	10000	4764.52685547		
Encapsulation Total:				0.050310	1000000	47647.375		
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000672	1000000	6365.33203125		

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