

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t3460edc-1#trpbf

(Engineering Calculation)

DFN 2mm X 2mm Exp. Pad

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TOTAL MASS (g) : 0.008837

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	0.000322	1000000	36436.3671875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.002935	975000	332114.09375		
		Iron (Fe)	7439-89-6	0.000072	24000	8147.26220703		
		Phosphorus (P)	7723-14-0	0.000001	300	113.156417847		
		Zinc (Zn)	7440-66-6	0.000002	700	226.312835693		
		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:				0.003010	1000000	340600.8125		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.000136	1000000	15426.0263672		
		External Plating Total:				0.000136	1000000	15426.0263672
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000072	1000000	8147.26220703		
Internal Plating Total:				0.000072	1000000	8147.26220703		
Die Attach	ELECTRICALLY INSULATING ADHESIVE	Silver (Ag)	7440-22-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead (Pb)	7439-92-1	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.000003	50000	339.469268799		
		Indium (In)	7440-74-6	0.000000	0	0		
		Metal Oxide		0.000019	300000	2149.97192383		
		Antimony (Sb)	7440-36-0	0.000000	0	0		
		Resin (EP)		0.000041	650000	4639.41308594		
Die Attach Total:				0.000063	1000000	7128.85449219		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000677	130000	76606.890625		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.004481	860000	507053.90625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000052	10000	5884.13378906		
		Encapsulation Total:				0.005210	1000000	589544.9375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000024	1000000	2715.75415039		
					TOTAL MASS (g) :	0.008837		