

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1125mpsw#pbf

(Engineering Calculation)

SOIC WIDE

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TOTAL MASS (g) : 0.249572

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	0.004773	1000000	19124.7128906		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000199	1000000	797.363952637		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.138021	975000	553030		
		Iron (Fe)	7439-89-6	0.003397	24000	13611.2822266		
		Phosphorus (P)	7723-14-0	0.000042	300	168.287857056		
		Zinc (Zn)	7440-66-6	0.000099	700	396.678527832		
		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:				0.141559	1000000	567206.25		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.004771	1000000	19118.1757812		
		External Plating Total:				0.004771	1000000	19118.1757812
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001132	1000000	4535.75830078		
Internal Plating Total:				0.001132	1000000	4535.75830078		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001263	750000	5060.65625		
		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)		0.000421	250000	1686.88549805		
Die Attach Total:				0.001684	1000000	6747.54199219		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.009776	103000	39171.0039062		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.084951	895000	340386.25		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000190	2000	761.302246094		
		Encapsulation Total:				0.094917	1000000	380318.5625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000537	1000000	2151.68066406		
					TOTAL MASS (g) :	0.249572		