

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

PDIP

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TOTAL MASS (g) : 0.500646

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	0.003683	1000000	7356.49121094
Die Coat	Dow Corning	Silicone	69430-27-9	0.000882	1000000	1761.72290039
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	299133.34375
		Iron (Fe)	7439-89-6	0.003686	24000	7362.48291016
		Phosphorus (P)	7723-14-0	0.000046	300	91.8812332153
		Zinc (Zn)	7440-66-6	0.000108	700	215.721160889
		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:		0.153600	1000000	306803.4375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24788.5390625
		External Plating Total:		0.012410	1000000	24788.5390625
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2452.82958984
		Internal Plating Total:		0.001228	1000000	2452.82958984
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001042	750000	2081.30957031
		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)		0.000347	250000	693.104125977
		Die Attach Total:		0.001389	1000000	2774.41381836
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078520	240000	156837.265625
		Bromine (Br)	40039-93-8	0.003272	10000	6535.55224609
		Silica (SiO2)	60676-86-0	0.235561	720000	470513.8125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.009815	30000	19604.6582031
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000000	0	0
		Encapsulation Total:		0.327168	1000000	653491.25
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	571.26159668
					TOTAL MASS (g) :	0.500646