

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

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(printed on: 2020-07-11 16:19:35)					TOTAL MASS (g) : 0.13637	
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	0.005004	1000000	36694.1640625
Die Coat	Dow Corning	Silicone	69430-27-9	0.000208	1000000	1525.25708008
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.025972	580000	190451.8125
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.018808	420000	137918.4375
		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:		0.044780	1000000	328370.28125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	18958.9277344
		External Plating Total:		0.002585	1000000	18958.9277344
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2625.20214844
		Internal Plating Total:		0.000358	1000000	2625.20214844
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001323	750000	9701.51464844
		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)		0.000441	250000	3233.83862305
		Die Attach Total:		0.001764	1000000	12935.3544922
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010571	130000	77516.796875
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067494	830000	494931.25
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002846	35000	20869.6230469
		Carbon Black (C)	1333-86-4	0.000407	5000	2984.51782227
		Encapsulation Total:		0.081318	1000000	596302.1875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2588.53735352
					TOTAL MASS (g) :	0.13637