

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1118CS8#PBF

(Engineering Calculation)

SQC

(printed on: 2014-01-19 21:44:54)

TOTAL MASS (g): 0.073561

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	0.002298	1000000	30015.96875
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	321543.34375
		Iron (Fe)	7439-89-6	0.000582	24000	7911.81738281
		Phosphorus (P)	7723-14-0	0.000007	300	95.1993170166
		Zinc (Zn)	7440-66-6	0.000017	700	231.101196289
		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:		0.024259	1000000	329781.378
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20076.6035156
		External Plating Total:		0.001477	1000000	20076.6035156
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000068	1000000	924.404785156
		Internal Plating Total:		0.000068	1000000	924.404785156
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000737	750000	10018.9169922
		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)		0.000246	250000	3344.17016602
		Die Attach Total:		0.000983	1000000	13363.0878906
Encapsulation	MULTIAROMATIC RESIN Bc5b FREE	Resin (EP)		0.006657	150000	90496.5078125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	494719.6875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	15089.5478516
		Carbon Black (C)	1333-86-4	0.000222	5000	3017.90991211
		Encapsulation Total:		0.044381	1000000	60323.625
Band Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000188	1000000	2514.92456085

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0.073561