

LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc1323cs16#pbf

(Engineering Calculation)

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TOTAL MASS (g) : 0.15767

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	0.004581	1000000	29054.4082031
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.051070	975000	323904.96875
		Iron (Fe)	7439-89-6	0.001257	24000	7972.36230469
		Phosphorus (P)	7723-14-0	0.000016	300	101.477958679
		Zinc (Zn)	7440-66-6	0.000037	700	234.667800903
		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:		0.052380	1000000	332213.46875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002954	1000000	18733.4902344
		External Plating Total:		0.002954	1000000	18733.4902344
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000419	1000000	2657.45410156
		Internal Plating Total:		0.000419	1000000	2657.45410156
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001224	750000	7763.06396484
		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)		0.000408	250000	2587.68798828
		Die Attach Total:		0.001632	1000000	10350.7519531
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.012389	130000	78575.6484375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.079099	830000	501675.3125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.003336	35000	21158.1542969
		Carbon Black (C)	1333-86-4	0.000477	5000	3025.31152344
		Encapsulation Total:		0.095301	1000000	604434.4375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000403	1000000	2555.97607422
					TOTAL MASS (g) :	0.15767