

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2305HMS#TRPBF

(Engineering Calculation)

MSOP

(printed on: 2014-01-20 01:10:46)

TOTAL MASS (g): 0.03754

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	0.002562	1000000	68247.1640625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.013845	975000	368806.40625		
		Iron (Fe)	7439-89-6	0.000341	24000	9083.6387188		
		Phosphorus (P)	7723-14-0	0.000004	300	106.552940369		
		Zinc (Zn)	7440-66-6	0.000010	700	266.382354736		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-98-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.014200	1000000	378262.96875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000710	1000000	18913.8125		
External Plating Total:						0.000710	1000000	18913.8125
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000086	1000000	2590.88842773		
Internal Plating Total:						0.000086	1000000	2590.88842773
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000815	750000	21710.1621094		
		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)		0.000272	250000	7245.60858594		
		Die Attach Total:				0.001087	1000000	28956.763719
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.002439	130000	64970.65625
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.015571	830000	414784		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000657	35000	17501.3203125		
Carbon Black (C)	1333-86-4			0.000094	5000	2503.99438477		
Encapsulation Total:						0.018761	1000000	499759.9375
Bond Wire Estimated	AFW/TANAKA/Kn			Gold (Au)	7440-57-5	0.000134	1000000	3569.52392578

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