LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2636CMS-LZ10#PBF **(Engineering Calculation)** MSOP

(printed on: 2014-01-19 23:46:33) **TOTAL MASS (g): 0.037693**

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	**0.002628**	**1000000**	**69721.125**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.013845	975000	367309.375
		Iron (Fe)	7439-89-6	0.000355	25000	9418.18847656
		Phosporus (P)	7723-14-0	0.000004	300	106.120429993
		Zinc (Zn)	7440-66-6	0.000010	700	265.301086426
		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:		**0.014214**	**1001000**	**377098.9375**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.000710	1000000	18837.0390625
		External Plating Total:		**0.000710**	**1000000**	**18837.0390625**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000086	1000000	2281.58911133
		Internal Plating Total:		**0.000086**	**1000000**	**2281.58911133**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000836	750000	22179.171875
		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)		0.000279	250000	7401.90039062
		Die Attach Total:		**0.001115**	**1000000**	**29581.0703125**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.002439	130000	64706.9296875
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.015571	830000	413100.34375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000657	35000	17430.28125
		Carbon Black (C)	1333-86-4	0.000094	5000	2493.83007812
		Encapsulation Total:		**0.018761**	**1000000**	**497731.34375**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000179**	**1000000**	**4748.88916016**

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