

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT6108IMS8-2#TRPBF

(Engineering Calculation)

MSCP

(printed on: 2014-01-20 02:27:31)

TOTAL MASS (g): 0.026483

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	0.001409	1000000	53203.899625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.010433	975000	393950.4375		
		Iron (Fe)	7439-89-6	0.000257	24000	9704.3307812		
		Phosphorus (P)	7723-14-0	0.000003	300	113.28011322		
		Zinc (Zn)	7440-66-6	0.000007	700	264.320251465		
		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:				0.010700	1000000	404032.40625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000710	1000000	26810.5683594		
External Plating Total:						0.000710	1000000	26810.5683594
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000086	1000000	3247.3630711		
Internal Plating Total:						0.000086	1000000	3247.3630711
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000546	750000	20616.9804688		
		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)		0.000182	250000	6872.3266616		
		Die Attach Total:				0.000728	1000000	27489.3066406
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.001659	130000	62643.9023438
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.010591	830000	399914.5625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000447	35000	16878.734575		
Carbon Black (C)	1333-86-4			0.000064	5000	2416.64233398		
Encapsulation Total:						0.012761	1000000	481855.8125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000089	1000000	3360.64331055		

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