

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

MSOP

LT4356CMS-3#TRPBF

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TOTAL MASS (g): 0.027645

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	0.002216	1000000	80159.09375		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.010433	975000	377391.5625		
		Iron (Fe)	7439-89-6	0.000257	24000	9256.42871094		
		Phosphorus (P)	7723-14-0	0.000003	300	108.518623352		
		Zinc (Zn)	7440-66-6	0.000007	700	253.210113525		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.010700	1000000	38700.75
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000710	1000000	25683.6425781		
External Plating Total:						0.000710	1000000	25683.6425781
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000086	1000000	3110.86694336		
Internal Plating Total:						0.000086	1000000	3110.86694336
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000738	750000	26695.5800781		
		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	898.52734375		
		Die Attach Total:				0.000984	1000000	36594.109375
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)	0.001314	103000	47511.1523438	
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.011420	895000	413094.21875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000026	2000	940.494889941		
Encapsulation Total:						0.012760	1000000	461565.875
Bond Wire Estimated	AFW/TANAKA/Kn			Gold (Au)	7440-57-5	0.000189	1000000	6836.6728156

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