

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1994CMS8#PBF

(Engineering Calculation)

MSCP

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TOTAL MASS (g): 0.026612

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	0.001460	1000000	54862.410625
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.006206	580000	23202.84375
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.00494	420000	16871.03125
		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:		0.010706	1000000	402073.875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.000710	1000000	26680.6054688
		External Plating Total:		0.000710	1000000	26680.6054688
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000086	1000000	3231.6219203
		Internal Plating Total:		0.000086	1000000	3231.6219203
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000558	750000	20967.9648438
		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)		0.000186	250000	6889.32128906
		Die Attach Total:		0.000744	1000000	27957.2851862
Encapsulation	MULTIAROMATIC RESIN Bc5b FREE	Resin (EP)		0.001659	130000	62340.234375
		Bromine (Br)	40093-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.010591	830000	397977.96875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000447	35000	16796.9160156
		Carbon Black (C)	1333-86-4	0.000064	5000	2404.92773438
		Encapsulation Total:		0.012761	1000000	479520.03125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000151	1000000	5674.12897656

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0.026612