

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

MSCP

LT4275BIMS#PBF

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TOTAL MASS (g): 0.027157

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	0.001840	1000000	6754.1015625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.010433	975000	384173.125		
		Iron (Fe)	7439-89-6	0.000257	24000	9463.48144531		
		Phosphorus (P)	7723-14-0	0.000003	300	110.468658447		
		Zinc (Zn)	7440-66-6	0.000007	700	257.760192871		
		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:				0.010700	1000000	394004.875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000710	1000000	26145.1679688		
External Plating Total:						0.000710	1000000	26145.1679688
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000086	1000000	3166.7600641		
Internal Plating Total:						0.000086	1000000	3166.7600641
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000653	750000	24045.34375		
		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)		0.000218	250000	8027.38867188		
		Die Attach Total:				0.000871	1000000	32072.7304688
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.001659	130000	61089.1601562
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.010591	830000	389991.15625		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000447	35000	16459.828125		
Carbon Black (C)	1333-86-4			0.000064	5000	2356.66450078		
Encapsulation Total:						0.012761	1000000	469896.8125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000189	1000000	6959.52490234		

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