

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1057CN8#PBF

(Engineering Calculation)

FDP

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TOTAL MASS (g): 0.500665

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	0.002700	1000000	7390.1660291		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000886	1000000	1769.64526367		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	177939.234375		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.064512	420000	128852.546875		
		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:				0.153600	1000000	306791.78125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24787.5996094		
		External Plating Total:				0.012410	1000000	24787.5996094
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2452.73657227		
		Internal Plating Total:				0.001228	1000000	2452.73657227
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001044	750000	2085.2253418		
		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)		0.000148	250000	695.075134277		
		Die Attach Total:				0.001192	1000000	2780.30053711
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.044167	135000	88216.6171875
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.281360	860000	561972.25		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.001636	5000	3267.65209961		
Encapsulation Total:						0.327163	1000000	654546.5
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000286	1000000	571.23929199		

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