

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

SOC

LT4363IS-1#TRPBF

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TOTAL MASS (g): 0.155727

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	0.002028	1000000	1998.5371894		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.051070	975000	32796.34375		
		Iron (Fe)	7439-89-6	0.001257	24000	8071.83349609		
		Phosphorus (P)	7723-14-0	0.000016	300	102.744102478		
		Zinc (Zn)	7440-66-6	0.000037	700	237.995733643		
		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:				0.052380	1000000	236388.8
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002954	1000000	18967.2285156		
External Plating Total:						0.002954	1000000	18967.2285156
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000419	1000000	2690.61108398		
Internal Plating Total:						0.000419	1000000	2690.61108398
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000924	750000	9933.47216797		
		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)		0.000168	250000	1977.82382554		
		Die Attach Total:				0.001232	1000000	7911.29541816
		Encapsulation	MULTI-AROMATIC RESIN Br/Sb Free	Resin (EP)		0.009816	103000	63033.5078125
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.085294	895000	547715.9375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000191	2000	1226.50769043		
Encapsulation Total:						0.095301	1000000	611975.9375
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000403	1000000	2587.8671875		

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