

LINEAR TECHNOLOGY MATERIALS DECLARATION

(Engineering Calculation)

TSOT-23

LTC3873ETS8#TRPBF

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TOTAL MASS (g): 0.012717

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	0.000583	1000000	4584C.2617188		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.004582	975000	360313.90625		
		Iron (Fe)	7439-89-6	0.000113	24000	8885.9596094		
		Phosphorus (P)	7723-14-0	0.000001	300	78.6368103027		
		Zinc (Zn)	7440-66-6	0.000003	700	235.918401426		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		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:				0.004699	1000000	369514.40625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000663	1000000	52111.828125		
External Plating Total:						0.000663	1000000	52111.828125
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000080	1000000	6290.9453125		
Internal Plating Total:						0.000080	1000000	6290.9453125
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000468	750000	36802.03125		
		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)		0.00156	250000	12267.3427734		
		Die Attach Total:				0.00156	1000000	49069.3710938
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.000777	130000	61100.8046875
Bromine (Br)	40039-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.004963	830000	390274.5		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000209	35000	16435.09375		
Carbon Black (C)	1333-86-4			0.000030	5000	2359.10424805		
Encapsulation Total:						0.005979	1000000	470169.5
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000089	1000000	6998.67675781		

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