

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC1743IFW#TRPBF

(Engineering Calculation)

TSSOP 6.1mm WIDTH

(printed on: 2014-01-20 01:34:07)

TOTAL MASS (g): 0.178989

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	0.005644	1000000	31532.671875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.065071	975000	363547.5625		
		Iron (Fe)	7439-89-6	0.001602	24000	8950.27246094		
		Phosphorus (P)	7723-14-0	0.000020	300	111.73871384		
		Zinc (Zn)	7440-66-6	0.000047	700	262.586029053		
		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:				0.066740	1000000	372872.15625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.004601	1000000	25705.2832031		
External Plating Total:						0.004601	1000000	25705.2832031
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000600	1000000	3352.16210938		
Internal Plating Total:						0.000600	1000000	3352.16210938
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001410	750000	7877.58105469		
		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)		0.000470	250000	2625.86035156		
		Die Attach Total:				0.001880	1000000	10503.4414062
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)	0.015269	155000	85306.9375	
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.082748	840000	462307.84375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000493	5000	2754.35986328		
Encapsulation Total:						0.098510	1000000	530369.125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.001014	1000000	5665.15429688		

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