

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC1542IS8#TRPBF

(Engineering Calculation)

SOC

(printed on: 2014-01-19 23:14:10)

TOTAL MASS (g): 0.073284

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	0.001960	1000000	26746.2303125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000082	1000000	1118.93676758		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.014071	580000	192006.828125		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.010189	420000	139014.71875		
		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:				0.024260	1000000	331041.53125
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001477	1000000	20152.4882812		
External Plating Total:						0.001477	1000000	20152.4882812
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000194	1000000	2647.24072266		
Internal Plating Total:						0.000194	1000000	2647.24072266
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000677	750000	9238.05078125		
		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)		0.000226	250000	3083.89916992		
		Die Attach Total:				0.000903	1000000	12321.9511719
		Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.006631	150000	90511.078125
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.036263	820000	494829.34375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001106	25000	15092.0019531		
Carbon Black (C)	1333-86-4			0.000221	5000	3015.67114258		
Encapsulation Total:						0.044223	1000000	603448.0625
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000185	1000000	2524.43066406		

TOTAL MASS (g): 0.073284