

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC1775IGN#TRPBF

(Engineering Calculation)

SSOP

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TOTAL MASS (g): 0.083054

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	0.002959	1000000	47667.7421875		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	36040.75		
		Iron (Fe)	7439-89-6	0.000737	24000	8873.7370469		
		Phosphorus (P)	7723-14-0	0.000009	300	108.363143921		
		Zinc (Zn)	7440-66-6	0.000021	700	252.847120557		
		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:				0.030700	1000000	369638.71875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.002272	1000000	27356.6367188		
External Plating Total:						0.002272	1000000	27356.6367188
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000246	1000000	2961.92602539		
Internal Plating Total:						0.000246	1000000	2961.92602539
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001101	750000	13256.4238281		
		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)		0.000167	250000	4418.88810547		
		Die Attach Total:				0.001468	1000000	17675.2324219
		Encapsulation	MULTIAROMATIC RESIN BOND FREE	Resin (EP)		0.006623	150000	79743.2266625
				Bromine (Br)	40093-93-8	0.000000	0	0
Silica (SiO2)	60676-86-0			0.036203	820000	435896.75		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.001104	25000	13292.5458984		
Carbon Black (C)	1333-86-4			0.000221	5000	2660.91699219		
Encapsulation Total:						0.044151	1000000	531593.4375
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000258	1000000	3106.40966797		

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