

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1571EGN-2#TRPBF

(Engineering Calculation)

SSOP

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TOTAL MASS (g): 0.17336

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	0.084880	1000000	28149.525396
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.063999	975000	369168.3125
		Iron (Fe)	7439-89-6	0.001575	24000	9085.14355469
		Phosphorus (P)	7723-14-0	0.000020	300	115.366897583
		Zinc (Zn)	7440-66-6	0.000046	700	265.34387207
		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:		0.065640	1000000	378634.1875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.003749	1000000	21625.1308594
		External Plating Total:		0.003749	1000000	21625.1308594
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000525	1000000	3028.38110352
		Internal Plating Total:		0.000525	1000000	3028.38110352
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001278	750000	7371.94482422
		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)		0.000426	250000	2457.31518555
		Die Attach Total:		0.001704	1000000	9829.26074219
Encapsulation	MULTIAROMATIC RESIN BzSb FREE	Resin (EP)		0.099848	103000	56806.6601562
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.085571	895000	493603.0625
		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	1101.75390625
		Encapsulation Total:		0.095610	1000000	551511.4375
Band Wire Estimated	AFW/TANAKA/ Kti	Gold (Au)	7440-57-5	0.001252	1000000	7221.96777344

TOTAL MASS (g):

0.173360