

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1395cs8#trpbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 20:08:55)

TOTAL MASS (g) : 0.071378

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	0.000550	1000000	7705.47167969
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	331377.3125
		Iron (Fe)	7439-89-6	0.000582	24000	8153.78955078
		Phosphorus (P)	7723-14-0	0.000007	300	98.0696411133
		Zinc (Zn)	7440-66-6	0.000017	700	238.169128418
		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:		0.024259	1000000	339867.3125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20690.6191406
		External Plating Total:		0.001477	1000000	20690.6191406
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2717.92993164
		Internal Plating Total:		0.000194	1000000	2717.92993164
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000306	750000	4287.04394531
		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)		0.000102	250000	1429.01477051
		Die Attach Total:		0.000408	1000000	5716.05908203
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	93264.2265625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	509850.03125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	15551.0419922
		Carbon Black (C)	1333-86-4	0.000222	5000	3110.20849609
		Encapsulation Total:		0.044381	1000000	621775.5
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1527.08435059
					TOTAL MASS (g) :	0.071378