

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1497cs8#pbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 20:11:03)

TOTAL MASS (g) : 0.07538

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	0.003593	1000000	47665.2578125
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	313784.125
		Iron (Fe)	7439-89-6	0.000582	24000	7720.89648438
		Phosphorus (P)	7723-14-0	0.000007	300	92.8630142212
		Zinc (Zn)	7440-66-6	0.000017	700	225.524459839
		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	321823.375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19592.1328125
		External Plating Total:		0.001477	1000000	19592.1328125
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2573.63183594
		Internal Plating Total:		0.000194	1000000	2573.63183594
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001025	750000	13597.7988281
		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)		0.000342	250000	4537.02197266
		Die Attach Total:		0.001367	1000000	18134.8203125
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	88312.7265625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036392	820000	482781.53125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001110	25000	14725.4208984
		Carbon Black (C)	1333-86-4	0.000222	5000	2945.08422852
		Encapsulation Total:		0.044381	1000000	588764.8125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1446.0098877
					TOTAL MASS (g) :	0.07538