

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1057is8#trpbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 16:54:32)

TOTAL MASS (g) : 0.075444

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	0.003700	1000000	49043.0976562
Die Coat	Dow Corning	Silicone	69430-27-9	0.000154	1000000	2041.25305176
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.014071	580000	186509.5625
		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	135054.078125
		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:		0.024260	1000000	321563.65625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19575.5117188
		External Plating Total:		0.001477	1000000	19575.5117188
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2571.44873047
		Internal Plating Total:		0.000194	1000000	2571.44873047
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001044	750000	13838.1064453
		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)		0.000348	250000	4612.70214844
		Die Attach Total:		0.001392	1000000	18450.8085938
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006612	150000	87641.34375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036148	820000	479137.8125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001102	25000	14606.890625
		Carbon Black (C)	1333-86-4	0.000220	5000	2916.07592773
		Encapsulation Total:		0.044082	1000000	584302.125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2452.15478516
					TOTAL MASS (g) :	0.075444