

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc1052cn8#pbf		(Engineering Calculation)				PDIP
(printed on: 2020-07-11 21:30:58)					TOTAL MASS (g) : 0.50149	
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	0.004170	1000000	8315.21582031
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	298629.875
		Iron (Fe)	7439-89-6	0.003686	24000	7350.09228516
		Phosphorus (P)	7723-14-0	0.000046	300	91.726600647
		Zinc (Zn)	7440-66-6	0.000108	700	215.358093262
		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:		0.153600	1000000	306287.125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24746.8203125
		External Plating Total:		0.012410	1000000	24746.8203125
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2448.70141602
		Internal Plating Total:		0.001228	1000000	2448.70141602
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001135	750000	2263.25415039
		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)		0.000378	250000	753.753356934
		Die Attach Total:		0.001513	1000000	3017.00756836
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044334	135000	88404.5078125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.282424	860000	563169.4375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.001642	5000	3274.2409668
		Encapsulation Total:		0.328400	1000000	654848.1875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000169	1000000	336.995574951
					TOTAL MASS (g) :	0.50149