

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1499is#pbf		(Engineering Calculation)				SOIC
(printed on: 2020-07-11 20:11:10)					TOTAL MASS (g) : 0.135779	
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	0.004397	1000000	32383.4003906
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.025972	580000	191280.796875
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.018808	420000	138518.765625
		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:		0.044780	1000000	329799.5625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19041.4511719
		External Plating Total:		0.002585	1000000	19041.4511719
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2636.62890625
		Internal Plating Total:		0.000358	1000000	2636.62890625
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001189	750000	8756.84765625
		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)		0.000396	250000	2916.49438477
		Die Attach Total:		0.001585	1000000	11673.3427734
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010624	130000	78244.5390625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067828	830000	499545.4375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002860	35000	21063.5722656
		Carbon Black (C)	1333-86-4	0.000409	5000	3012.23803711
		Encapsulation Total:		0.081721	1000000	601865.75
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2599.8046875
					TOTAL MASS (g) :	0.135779