

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t2079is#pbf		(Engineering Calculation)				SOIC	
(printed on: 2020-07-11 16:58:08)					TOTAL MASS (g) :		0.135272
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	0.003996	1000000	29540.3867188	
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	191997.703125	
		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	139037.921875	
		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	331035.65625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19112.8183594	
		External Plating Total:		0.002585	1000000	19112.8183594	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2646.51098633	
		Internal Plating Total:		0.000358	1000000	2646.51098633	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001109	750000	8198.26953125	
		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)		0.000370	250000	2735.22094727	
		Die Attach Total:		0.001479	1000000	10933.4902344	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010624	130000	78537.796875	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.067828	830000	501417.6875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.002860	35000	21142.515625	
		Carbon Black (C)	1333-86-4	0.000409	5000	3023.52783203	
		Encapsulation Total:		0.081721	1000000	604121.5625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2609.54858398	
					TOTAL MASS (g) :		0.135272