

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1795isw#pbf		(Engineering Calculation)				SOIC WIDE	
(printed on: 2020-07-11 17:00:54)					TOTAL MASS (g) :		0.544355
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	0.006232	1000000	11448.4169922	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.153163	975000	281366.15625	
		Iron (Fe)	7439-89-6	0.003770	24000	6925.63085938	
		Phosphorus (P)	7723-14-0	0.000047	300	86.3407592773	
		Zinc (Zn)	7440-66-6	0.000110	700	202.074111938	
		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:		0.157090	1000000	288580.1875	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.005974	1000000	10973.8681641	
		External Plating Total:		0.005974	1000000	10973.8681641	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.001257	1000000	2309.15600586	
		Internal Plating Total:		0.001257	1000000	2309.15600586	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001556	750000	2858.43017578	
		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)		0.000519	250000	953.422363281	
		Die Attach Total:		0.002075	1000000	3811.85253906	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.038213	103000	70198.7109375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.332045	895000	609979.0625	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000742	2000	1363.08178711	
		Encapsulation Total:		0.371000	1000000	681540.875	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000727	1000000	1335.52624512	
					TOTAL MASS (g) :		0.544355