

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

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(Engineering Calculation)

TLA 6mm X 6mm Exposed Pad

(printed on: 2020-07-11 21:28:19)

**TOTAL MASS (g) : 0.053043**

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	0.003044	1000000	57387.53125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.043661	975000	823126.4375		
		Iron (Fe)	7439-89-6	0.001075	24000	20266.6230469		
		Phosphorus (P)	7723-14-0	0.000013	300	245.084716797		
		Zinc (Zn)	7440-66-6	0.000031	700	584.432800293		
		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		
<b>Lead Frame Total:</b>				<b>0.044780</b>	<b>1000000</b>	<b>844222.6875</b>		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.004194	1000000	79065.859375		
		<b>External Plating Total:</b>				<b>0.004194</b>	<b>1000000</b>	<b>79065.859375</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000108	1000000	2036.08862305		
		<b>Internal Plating Total:</b>				<b>0.000108</b>	<b>1000000</b>	<b>2036.08862305</b>
Die Attach		Silver (Ag)	7440-22-4	0.000000	0	0		
		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)		0.000000	0	0		
<b>Die Attach Total:</b>				<b>0.000000</b>	<b>0</b>	<b>0</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000000	0	0		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.000000	0	0		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000000	0	0		
		<b>Encapsulation Total:</b>				<b>0.000000</b>	<b>0</b>	<b>0</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000917	1000000	17287.8984375		
					<b>TOTAL MASS (g) :</b>	<b>0.053043</b>		