

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1495CN8#PBF

(Engineering Calculation)

FDP

(printed on: 2014-01-19 22:06:10)

TOTAL MASS (g): 0.500386

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	0.00267	1000000	6528.55065409		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000182	1000000	363.718994141		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	178038.453125		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.064512	420000	128924.398438		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		<b>Lead Frame Total:</b>				<b>0.153600</b>	<b>1000000</b>	<b>306962.84375</b>
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24801.4199219		
		<b>External Plating Total:</b>				<b>0.012410</b>	<b>1000000</b>	<b>24801.4199219</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2454.10424805		
		<b>Internal Plating Total:</b>				<b>0.001228</b>	<b>1000000</b>	<b>2454.10424805</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000957	750000	1912.52233887		
		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)		0.000119	250000	617.507446289		
		<b>Die Attach Total:</b>				<b>0.001276</b>	<b>1000000</b>	<b>2550.02978516</b>
		Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078753	240000	157384.40625
Bromine (Br)	40039-93-8			0.003281	10000	6556.93408203		
Silica (SiO2)	60676-86-0			0.236259	720000	472153.21875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.009844	30000	19672.8007812		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000000	0	0		
<b>Encapsulation Total:</b>				<b>0.328137</b>	<b>1000000</b>	<b>65567.375</b>		
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000286	1000000	571.558410645		

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