

## LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1575CN8-3.3#PBF		(Engineering Calculation)			PDIP			
(printed on: 7/16/2011 12:40:39 PM)					TOTAL MASS (g):	0.4987563		
COMPONENT	VENDOR/	CONSTITUENT	CAS	CONSTITUENT	CONSTITUENT	CONSTITUENT		
MATERIAL	INDUSTRY NAMES	NAME	NUMBER	MASS (g)	(PPM) OF MATERIAL	(PPM) OF TOTAL PKG.		
Active Device	Linear Technology	Silicon (Si)	7440-21-3	0.002026	1000000	4062.104		
Die Coat	Dow Corning	Silicone	67762-90-7	0	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.14976	975000	300266.9		
		Iron (Fe)	7439-89-6	0.003686	24000	7390.383		
		Phosphorus (P)	7723-14-0	4.60E-05	300	92.22942		
		Zinc (Zn)	7440-66-6	0.000108	700	216.5386		
		Nickel (Ni)	7440-02-0	0	0	0		
		Silicon (Si)	7440-21-3	0	0	0		
		Magnesium (Mg)	7439-95-4	0	0	0		
		Tin (Sn)	7440-31-5	0	0	0		
		<b>Lead Frame Total:</b>				<b>0.1536</b>	<b>1000000</b>	<b>307966.1</b>
Plating	PMI	Exter. Plating Pb	7439-92-1	0	0	0		
		Exter. Plating Sn	7440-31-5	0.01241029	1000000	24882.47		
		<b>External Plating Total:</b>				<b>0.01241029</b>	<b>1000000</b>	<b>24882.47</b>
		Inter. Plating Ni	7440-02-0	0	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2462.125		
		<b>Internal Plating Total:</b>				<b>0.001228</b>	<b>1000000</b>	<b>2462.125</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000692	750000	1387.451		
		Tin (Sn)	7440-31-5	0	0	0		
		Lead (Pb)	7439-92-1	0	0	0		
		Silica (SiO2)	60676-86-0	0	0	0		
		Metal Oxide		0	0	0		
		Antimony (Sb)	7440-36-0	0	0	0		
		Resin (EP)		0.000231	250000	463.152		
<b>Die Attach Total:</b>				<b>0.000923</b>	<b>1000000</b>	<b>1850.603</b>		
Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078816	240000	158025.1		
		Bromine (Br)	40039-93-8	0.003284	10000	6584.378		
		Silica (SiO2)	60676-86-0	0.236448	720000	474075.2		
		Antimony	1309-64-4	0.009852	30000	19753.13		
		Trioxide (Sb2O3)						
		Metal Hydroxid		0	0	0		
		Carbon Black (C)	1333-86-4	0	0	0		
<b>Encapsulation Total:</b>				<b>0.3284</b>	<b>1000000</b>	<b>658437.8</b>		
Bond Wire	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000169	1000000	338.8429		
Estimated								
<b>TOTAL MASS (g):</b>						<b>0.4987563</b>		