

### LINEAR TECHNOLOGY MATERIALS DECLARATION

LT1767EMS8E-2.5#PBF		(Engineering Calculation)		MSOP-Exposed				
(printed on: 7/16/2011 12:52:56 PM)				<b>TOTAL MASS (g):</b>		<b>0.02658503</b>		
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	0.001482	1000000	55745.67		
Die Coat	Dow Corning	Silicone	67762-90-7	0	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.010433	975000	392438.9		
		Iron (Fe)	7439-89-6	0.000257	24000	9667.097		
		Phosphorus (P)	7723-14-0	3.00E-06	300	112.8455		
		Zinc (Zn)	7440-66-6	7.00E-06	700	263.3062		
		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>0.0107</b>	<b>1000000</b>	<b>402482.3</b>
Plating	PMI	Exter. Plating Pb	7439-92-1	0	0	0		
		Exter. Plating Sn	7440-31-5	0.000710025	1000000	26707.7		
		<b>External Plating Total:</b>				<b>0.000710025</b>	<b>1000000</b>	<b>26707.7</b>
		Inter. Plating Ni	7440-02-0	0	0	0		
		Inter. Plating Ag	7440-22-4	8.60E-05	1000000	3234.904		
		<b>Internal Plating Total:</b>				<b>8.60E-05</b>	<b>1000000</b>	<b>3234.904</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000568	750000	21365.41		
		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)		0.000189	250000	7109.265		
<b>Die Attach Total:</b>				<b>0.000757</b>	<b>1000000</b>	<b>28474.68</b>		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.001659	130000	62403.55		
		Bromine (Br)	40039-93-8	0	0	0		
		Silica (SiO2)	60676-86-0	0.010591	830000	398382.2		
		Antimony	1309-64-4	0	0	0		
		Trioxide (Sb2O3)						
		Metal Hydroxid		0.000447	35000	16813.98		
		Carbon Black (C)	1333-86-4	6.40E-05	5000	2407.37		
<b>Encapsulation Total:</b>				<b>0.012761</b>	<b>1000000</b>	<b>480007.1</b>		
Bond Wire	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	8.90E-05	1000000	3347.749		
Estimated								
				<b>TOTAL MASS (g):</b>		<b>0.02658503</b>		