

**LINEAR TECHNOLOGY MATERIALS DECLARATION**

lt1763mpde-1.5

(Engineering Calculation)

DFN 4mm X 3mm Exp. Pad

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**TOTAL MASS (g) : 0.0317060016096**

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	0.001864	1000000	58790
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.012783	975000	403173
		Iron (Fe)	7439-89-6	0.000315	24000	9935
		Phosphorus (P)	7723-14-0	0.000004	300	126
		Zinc (Zn)	7440-66-6	0.000009	700	284
		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>0.013111</b>	<b>1000000</b>	<b>413518</b>
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000096	149766	3028
		Exter. Plating Sn	7440-31-5	0.000545	850234	17189
		<b>External Plating Total:</b>		<b>0.000641</b>	<b>1000000</b>	<b>20217</b>
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000295	1000000	9304
<b>Internal Plating Total:</b>				<b>0.000295</b>	<b>1000000</b>	<b>9304</b>
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000876	750000	27629
		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)		0.000292	250000	9210
<b>Die Attach Total:</b>				<b>0.001168</b>	<b>1000000</b>	<b>36839</b>
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.001888	130000	59547
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.012487	860000	393837
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000145	10000	4573
		<b>Encapsulation Total:</b>				<b>0.014520</b>
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000107	1000000	3375
					<b>TOTAL MASS (g) :</b>	<b>0.0317060016096</b>