LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC2498CUHF#TRPBF **(Engineering Calculation)** QFN 5mm X 7mm Exp. Pad

(printed on: 2014-01-19 23:40:03) **TOTAL MASS (g): 0.088269**

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	**0.001985**	**1000000**	**22488.1132812**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000000**	**0**	**0**
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.037381	975000	423490.28125
		Iron (Fe)	7439-89-6	0.000920	24000	10422.703125
		Phosporus (P)	7723-14-0	0.000012	300	135.948303223
		Zinc (Zn)	7440-66-6	0.000027	700	305.883666992
		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
		Lead Frame Total:		**0.038340**	**1000000**	**434354.78125**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001850	1000000	20957.015625
		External Plating Total:		**0.001850**	**1000000**	**20957.015625**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000831	1000000	9414.41992188
		Internal Plating Total:		**0.000831**	**1000000**	**9414.41992188**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000935	750000	10592.6376953
		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)		0.000312	250000	3534.65551758
		Die Attach Total:		**0.001247**	**1000000**	**14127.2929688**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.005689	130000	64450.8164062
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.037634	860000	426356.5
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000438	10000	4962.11279297
		Encapsulation Total:		**0.043761**	**1000000**	**495769.4375**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000255**	**1000000**	**2888.90112305**

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