LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1366cs8#trpbf (Engineering Calculation) SOIC

(printed on: 2020-07-11 20:07:50) **TOTAL MASS (g): 0.076089**

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	**0.004216**	**1000000**	**55408.9023438**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000176**	**1000000**	**2313.08520508**
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.014071	580000	184928.53125
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.010189	420000	133909.21875
		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:		**0.024260**	**1000000**	**318837.75**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001477	1000000	19409.5703125
		External Plating Total:		**0.001477**	**1000000**	**19409.5703125**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2549.65063477
		Internal Plating Total:		**0.000194**	**1000000**	**2549.65063477**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001155	750000	15179.6210938
		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)		0.000385	250000	5059.87353516
		Die Attach Total:		**0.001540**	**1000000**	**20239.4941406**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006606	150000	86819.5546875
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.036114	820000	474629.3125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.001101	25000	14469.9257812
		Carbon Black (C)	1333-86-4	0.000220	5000	2891.35668945
		Encapsulation Total:		**0.044041**	**1000000**	**578810.125**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000185**	**1000000**	**2431.36791992**
					TOTAL MASS (g):	**0.076089**