LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1496hs#trpbf **(Engineering Calculation)** **SOIC**

(printed on: 2020-07-11 17:41:30) **TOTAL MASS (g): 0.134213**

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	**0.003267**	**1000000**	**24341.8242188**
Die Coat	Dow Corning	Silicone	69430-27-9	**0.000136**	**1000000**	**1013.31134033**
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.025972	580000	193512.640625
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.018808	420000	140134.984375
		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:		**0.044780**	**1000000**	**333647.625**
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19263.625
		External Plating Total:		**0.002585**	**1000000**	**19263.625**
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2667.39282227
		Internal Plating Total:		**0.000358**	**1000000**	**2667.39282227**
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000957	750000	7130.43310547
		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)		0.000319	250000	2376.81103516
		Die Attach Total:		**0.001276**	**1000000**	**9507.24414062**
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010590	130000	78904.1640625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067610	830000	503749.84375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002851	35000	21242.2832031
		Carbon Black (C)	1333-86-4	0.000407	5000	3032.4831543
		Encapsulation Total:		**0.081458**	**1000000**	**606928.75**
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	**0.000353**	**1000000**	**2630.13891602**
					TOTAL MASS (g):	**0.134213**