

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1990is8#pbf		(Engineering Calculation)				SOIC	
(printed on: 2020-07-11 19:34:48)					TOTAL MASS (g) :		0.073338
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	0.002001	1000000	27284.6835938	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000083	1000000	1131.74841309	
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0	
		Iron (Fe)	7439-89-6	0.014071	580000	191865.4375	
		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	138932.34375	
		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	330797.78125	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20137.6484375	
		External Plating Total:		0.001477	1000000	20137.6484375	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2645.29150391	
		Internal Plating Total:		0.000194	1000000	2645.29150391	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000689	750000	9394.87597656	
		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)		0.000230	250000	3136.17041016	
		Die Attach Total:		0.000919	1000000	12531.0458984	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006633	150000	90444.421875	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.036260	820000	494424.09375	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.001105	25000	15067.2529297	
		Carbon Black (C)	1333-86-4	0.000221	5000	3013.45068359	
		Encapsulation Total:		0.044219	1000000	602949.1875	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2522.57177734	
					TOTAL MASS (g) :		0.073338