

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6200cs8-5#pbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 20:39:40)

TOTAL MASS (g) : 0.071906

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	0.000862	1000000	11987.8974609		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	328944.03125		
		Iron (Fe)	7439-89-6	0.000582	24000	8093.91699219		
		Phosphorus (P)	7723-14-0	0.000007	300	97.3495178223		
		Zinc (Zn)	7440-66-6	0.000017	700	236.420272827		
		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:				0.024259	1000000	337371.71875		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20538.6894531		
		External Plating Total:				0.001477	1000000	20538.6894531
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2697.97241211		
		Internal Plating Total:				0.000194	1000000	2697.97241211
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000411	750000	5715.80761719		
		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)		0.000137	250000	1905.26916504		
Die Attach Total:				0.000548	1000000	7621.07666016		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006657	150000	92579.3984375		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036392	820000	506106.25		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001110	25000	15436.8515625		
		Carbon Black (C)	1333-86-4	0.000222	5000	3087.37036133		
		Encapsulation Total:				0.044381	1000000	617209.875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000185	1000000	2572.80859375		
					TOTAL MASS (g) :	0.071906		