

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1251cs#pbf		(Engineering Calculation)				SOIC
(printed on: 2020-07-11 19:39:35)					TOTAL MASS (g) : 0.139424	
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	0.003904	1000000	28000.828125
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.047911	975000	343634.15625
		Iron (Fe)	7439-89-6	0.001179	24000	8456.19335938
		Phosphorus (P)	7723-14-0	0.000015	300	107.585144043
		Zinc (Zn)	7440-66-6	0.000034	700	243.859680176
		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:		0.049139	1000000	352441.78125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	18543.6484375
		External Plating Total:		0.002585	1000000	18543.6484375
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000393	1000000	2818.73095703
		Internal Plating Total:		0.000393	1000000	2818.73095703
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001105	750000	7925.43945312
		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)		0.000368	250000	2639.42236328
		Die Attach Total:		0.001473	1000000	10564.8623047
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010624	130000	76198.9765625
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067828	830000	486485.71875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002860	35000	20512.9003906
		Carbon Black (C)	1333-86-4	0.000409	5000	2933.48852539
		Encapsulation Total:		0.081721	1000000	586131.125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000209	1000000	1499.01977539
					TOTAL MASS (g) :	0.139424