

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6100ims8#trpbf		(Engineering Calculation)				MSOP
(printed on: 2020-07-11 20:39:11)					TOTAL MASS (g) : 0.027108	
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	0.001831	1000000	67544.5703125
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.006206	580000	228935.890625
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.004494	420000	165781.171875
		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:		0.010700	1000000	394717.0625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.000710	1000000	26192.4257812
		External Plating Total:		0.000710	1000000	26192.4257812
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000086	1000000	3172.4921875
		Internal Plating Total:		0.000086	1000000	3172.4921875
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000652	750000	24051.9179688
		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)		0.000217	250000	8005.00878906
		Die Attach Total:		0.000869	1000000	32056.9238281
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.001659	130000	61199.5820312
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.010591	830000	390696.09375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000447	35000	16489.5800781
		Carbon Black (C)	1333-86-4	0.000064	5000	2360.92431641
		Encapsulation Total:		0.012761	1000000	470746.15625
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000151	1000000	5570.30615234
					TOTAL MASS (g) :	0.027108