

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1206cr#pbf

(Engineering Calculation)

DDPAK

(printed on: 2020-07-11 18:42:58)					TOTAL MASS (g) : 1.404837	
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	0.002896	1000000	2061.44921875
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.852419	998500	606774.375
		Iron (Fe)	7439-89-6	0.000000	0	0
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		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	0.001281	1500	911.849609375
		Lead Frame Total:		0.853700	1000000	607686.25
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.010925	1000000	7776.64501953
		External Plating Total:		0.010925	1000000	7776.64501953
		Inter. Plating Ni	7440-02-0	0.005000	714285.6875	3559.13183594
		Inter. Plating Ag	7440-22-4	0.002000	285714.28125	1423.65283203
		Internal Plating Total:		0.007000	1000000	4982.78466797
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0
		Tin (Sn)	7440-31-5	0.000078	50000	55.5224571228
		Lead (Pb)	7439-92-1	0.001474	950000	1049.23217773
		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)		0.000000	0	0
		Die Attach Total:		0.001552	1000000	1104.7545166
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.054044	103000	38469.9492188
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.469607	895000	334278.6875
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.001049	2000	746.705871582
		Encapsulation Total:		0.524700	1000000	373495.3125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.002783	1000000	1981.01293945
					TOTAL MASS (g) :	1.404837