

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1210cr#pbf		(Engineering Calculation)				DDPAK	
(printed on: 2020-07-11 20:05:28)					TOTAL MASS (g) :		1.40631
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	0.004913	1000000	3493.5402832	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.852419	998500	606138.8125	
		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	910.89453125	
		Lead Frame Total:		0.853700	1000000	607049.6875	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.010925	1000000	7768.49951172	
		External Plating Total:		0.010925	1000000	7768.49951172	
		Inter. Plating Ni	7440-02-0	0.005000	714285.6875	3555.40429688	
		Inter. Plating Ag	7440-22-4	0.002000	285714.28125	1422.16186523	
		Internal Plating Total:		0.007000	1000000	4977.56640625	
Die Attach	95Pb / 5 Sn	Silver (Ag)	7440-22-4	0.000000	0	0	
		Tin (Sn)	7440-31-5	0.000114	50000	81.0632171631	
		Lead (Pb)	7439-92-1	0.002175	950000	1546.60083008	
		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:		0.002289	1000000	1627.6640625	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.054044	103000	38429.65625	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.469607	895000	333928.5625	
		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	745.92376709	
		Encapsulation Total:		0.524700	1000000	373104.125	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.002783	1000000	1978.93798828	
					TOTAL MASS (g) :		1.40631