

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6003cdc#trmpbf			(Engineering Calculation)			DFN 2mm X 2mm Exp. Pad	
(printed on: 2020-07-11 18:20:55)					TOTAL MASS (g) :		0.009357
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	0.000453	1000000	48411.2734375	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.002935	975000	313658.03125	
		Iron (Fe)	7439-89-6	0.000072	24000	7694.50683594	
		Phosphorus (P)	7723-14-0	0.000001	300	106.868148804	
		Zinc (Zn)	7440-66-6	0.000002	700	213.736297607	
		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:		0.003010	1000000	321673.15625	
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0	
		Exter. Plating Sn	7440-31-5	0.000136	1000000	14568.7792969	
		External Plating Total:		0.000136	1000000	14568.7792969	
		Inter. Plating Ni	7440-02-0	0.000000	0	0	
		Inter. Plating Ag	7440-22-4	0.000072	1000000	7694.50683594	
		Internal Plating Total:		0.000072	1000000	7694.50683594	
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000345	750000	36869.515625	
		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)		0.000115	250000	12289.8378906	
		Die Attach Total:		0.000460	1000000	49159.3515625	
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.000677	130000	72349.734375	
		Bromine (Br)	40039-93-8	0.000000	0	0	
		Silica (SiO2)	60676-86-0	0.004481	860000	478876.1875	
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0	
		Metal Hydroxide		0.000000	0	0	
		Carbon Black (C)	1333-86-4	0.000052	10000	5557.14355469	
		Encapsulation Total:		0.005210	1000000	556783.0625	
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000016	1000000	1709.89038086	
					TOTAL MASS (g) :		0.009357