

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t6017hdjc#trpbf

(Engineering Calculation)

DFN 6mm x 3mm Exp. Pad

(printed on: 2020-07-11 17:04:37)					TOTAL MASS (g) : 0.047028	
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	0.001488	1000000	31640.6855469
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.021187	975000	450518.28125
		Iron (Fe)	7439-89-6	0.000522	24000	11099.7578125
		Phosphorus (P)	7723-14-0	0.000007	300	148.847320557
		Zinc (Zn)	7440-66-6	0.000015	700	318.958496094
		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:		0.021731	1000000	462085.875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.001189	1000000	25283.9511719
		External Plating Total:		0.001189	1000000	25283.9511719
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000483	1000000	10270.4648438
		Internal Plating Total:		0.000483	1000000	10270.4648438
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000746	750000	15862.8710938
		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)		0.000249	250000	5294.71191406
		Die Attach Total:		0.000995	1000000	21157.5839844
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.002737	130000	58199.296875
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.018107	860000	385025.5
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.000211	10000	4486.68310547
		Encapsulation Total:		0.021055	1000000	447711.46875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000087	1000000	1849.95947266
					TOTAL MASS (g) :	0.047028