

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT6105IDCB#TRMPBF (Engineering Calculation) DEN 2mm X 3mm Exp. Pad

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TOTAL MASS (g): 0.01554

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	0.000921	1000000	59266.1015625	
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0	
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.005723	975000	368267.3125	
		Iron (Fe)	7439-89-6	0.000141	24000	9073.15917969	
		Phosphorus (P)	7723-14-0	0.000002	300	128.697280884	
		Zinc (Zn)	7440-66-6	0.000004	700	257.394561768	
		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:			0.005870	1000000	377726.5625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0
Exter. Plating Sn	7440-31-5			0.000260	1000000	16752.6855469	
External Plating Total:					0.000260	1000000	16752.6855469
Inter. Plating Ni	7440-02-0			0.000000	0	0	
Inter. Plating Ag	7440-22-4			0.000136	1000000	8751.41601562	
Internal Plating Total:					0.000136	1000000	8751.41601562
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000539	750000	34683.9179688	
		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)		0.000180	250000	11582.7568359	
		Die Attach Total:			0.000719	1000000	46266.6757812
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.000959	130000
Bromine (Br)	40039-09-8			0.000000	0	0	
Silica (SiO2)	60676-86-0			0.006545	860000	421161.875	
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0	
Metal Hydroxide				0.000000	0	0	
Carbon Black (C)	1333-86-4			0.000076	10000	4890.49707031	
Encapsulation Total:					0.007610	1000000	489093.1875
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000024	1000000	1544.36755371	

TOTAL MASS (g): 0.015540