

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1575cs8-3.3#pbf

(Engineering Calculation)

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TOTAL MASS (g) : 0.073368

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	0.002026	1000000	27614.2773438		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.023653	975000	322389.1875		
		Iron (Fe)	7439-89-6	0.000582	24000	7932.63037109		
		Phosphorus (P)	7723-14-0	0.000007	300	95.4096374512		
		Zinc (Zn)	7440-66-6	0.000017	700	231.709121704		
		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:				0.024259	1000000	330648.90625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.001477	1000000	20129.4160156		
		External Plating Total:				0.001477	1000000	20129.4160156
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000194	1000000	2644.20996094		
		Internal Plating Total:				0.000194	1000000	2644.20996094
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000692	750000	9431.92382812		
		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)		0.000231	250000	3148.51806641		
Die Attach Total:				0.000923	1000000	12580.4423828		
Encapsulation	DCPD RESIN	Resin (EP)		0.004882	110000	66541.4140625		
		Bromine (Br)	40039-93-8	0.000444	10000	6051.69726562		
		Silica (SiO2)	60676-86-0	0.037723	850000	514162.53125		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.001331	30000	18141.4609375		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000000	0	0		
		Encapsulation Total:				0.044380	1000000	604897.125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000109	1000000	1485.66442871		
					TOTAL MASS (g) :	0.073368		