

LINEAR TECHNOLOGY MATERIALS DECLARATION

REF01CN8#PBF

(Engineering Calculation)

PDP

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TOTAL MASS (g): 0.499412

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	0.002720	1000000	5472.42261719		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000654	1000000	1309.53930664		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	178385.6875		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.064512	420000	129175.84375		
		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:				0.153600	1000000	307561.53125
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24849.7910156		
		External Plating Total:				0.012410	1000000	24849.7910156
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2458.89030886		
		Internal Plating Total:				0.001228	1000000	2458.89030886
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000848	750000	1697.99597168		
		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)		0.002583	250000	566.66607666		
		Die Attach Total:				0.001121	1000000	2164.66186523
		Encapsulation	FILLED EPOXY RESIN	Resin (EP)		0.078597	240000	157179
Bromine (Br)	40039-03-8			0.003275	10000	6557.70849609		
Silica (SiO2)	60676-86-0			0.235790	720000	472134.96875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.009825	30000	19673.1230469		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000000	0	0		
Encapsulation Total:						0.327487	1000000	655744.8125
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000169	1000000	338.397766113		

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