

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1630in8#pbf

(Engineering Calculation)

PDIP

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TOTAL MASS (g) : 0.501798

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	0.004397	1000000	8762.484375
Die Coat	Dow Corning	Silicone	69430-27-9	0.000245	1000000	488.24395752
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.149760	975000	298446.5625
		Iron (Fe)	7439-89-6	0.003686	24000	7345.58007812
		Phosphorus (P)	7723-14-0	0.000046	300	91.6702957153
		Zinc (Zn)	7440-66-6	0.000108	700	215.225906372
		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:		0.153600	1000000	306099.09375
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24731.6308594
		External Plating Total:		0.012410	1000000	24731.6308594
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2447.19848633
		Internal Plating Total:		0.001228	1000000	2447.19848633
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001189	750000	2369.47753906
		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)		0.000396	250000	789.161682129
		Die Attach Total:		0.001585	1000000	3158.6394043
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044286	135000	88254.578125
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.282121	860000	562219.9375
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.000000	0	0
		Carbon Black (C)	1333-86-4	0.001640	5000	3268.24536133
		Encapsulation Total:		0.328047	1000000	653742.75
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	569.950073242
					TOTAL MASS (g) :	0.501798