

LINEAR TECHNOLOGY MATERIALS DECLARATION

1t1469in8#pbf

(Engineering Calculation)

PDIP

(printed on: 2020-07-11 18:35:09)

TOTAL MASS (g) : 0.501944

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	0.004518	1000000	9000.99902344		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000252	1000000	502.047698975		
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0		
		Iron (Fe)	7439-89-6	0.089088	580000	177485.828125		
		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	128524.210938		
		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	306010.0625		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012410	1000000	24724.4375		
		External Plating Total:				0.012410	1000000	24724.4375
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001228	1000000	2446.48657227		
Internal Plating Total:				0.001228	1000000	2446.48657227		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001210	750000	2410.62597656		
		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)		0.000403	250000	802.877929688		
Die Attach Total:				0.001613	1000000	3213.50390625		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.044285	135000	88226.921875		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.282112	860000	562038.5		
		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	3267.29467773		
		Encapsulation Total:				0.328037	1000000	653532.6875
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000286	1000000	569.784301758		
					TOTAL MASS (g) :	0.501944		