

LINEAR TECHNOLOGY MATERIALS DECLARATION

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(Engineering Calculation)

SSOP

(printed on: 2020-07-11 17:29:08)

TOTAL MASS (g) : 0.08165

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	0.002855	1000000	34966.2890625		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.029933	975000	366601.03125		
		Iron (Fe)	7439-89-6	0.000737	24000	9026.32421875		
		Phosphorus (P)	7723-14-0	0.000009	300	110.226486206		
		Zinc (Zn)	7440-66-6	0.000021	700	257.195129395		
		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:				0.030700	1000000	375994.78125		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002272	1000000	27827.0449219		
		External Plating Total:				0.002272	1000000	27827.0449219
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000246	1000000	3012.85717773		
Internal Plating Total:				0.000246	1000000	3012.85717773		
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000876	750000	10728.7099609		
		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)		0.000292	250000	3576.23706055		
Die Attach Total:				0.001168	1000000	14304.9482422		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.006623	150000	81114.4375		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.036203	820000	443392.15625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.001104	25000	13521.1152344		
		Carbon Black (C)	1333-86-4	0.000221	5000	2706.67260742		
		Encapsulation Total:				0.044151	1000000	540734.4375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000258	1000000	3159.82568359		
					TOTAL MASS (g) :	0.08165		