

LINEAR TECHNOLOGY MATERIALS DECLARATION

1tc6802ig-1#3zzpbf

(Engineering Calculation)

SSOP

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TOTAL MASS (g) : 0.353133

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	0.006178	1000000	17494.828125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.133910	962000	379205.65625		
		Iron (Fe)	7439-89-6	0.000000	0	0		
		Phosphorus (P)	7723-14-0	0.000000	0	0		
		Zinc (Zn)	7440-66-6	0.000000	0	0		
		Nickel (Ni)	7440-02-0	0.004176	30000	11825.5751953		
		Silicon (Si)	7440-21-3	0.000905	1500	591.845153809		
		Magnesium (Mg)	7439-95-4	0.000209	1500	591.845153809		
		Tin (Sn)	7440-31-5	0.000000	0	0		
Lead Frame Total:				0.139200	1000000	394185.84375		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.012701	1000000	35966.4179688		
		External Plating Total:				0.012701	1000000	35966.4179688
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.001114	1000000	3154.61938477		
		Internal Plating Total:				0.001114	1000000	3154.61938477
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001508	750000	4270.34619141		
		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)		0.000503	250000	1424.39282227		
Die Attach Total:				0.002011	1000000	5694.73925781		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.025785	135000	73017.828125		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.164260	860000	465150.625		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000955	5000	2704.36401367		
		Encapsulation Total:				0.191000	1000000	540872.8125
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000929	1000000	2630.73730469		
					TOTAL MASS (g) :	0.353133		