

LINEAR TECHNOLOGY MATERIALS DECLARATION

ltc1435cs#trpbf

(Engineering Calculation)

SOIC

(printed on: 2020-07-11 21:37:22)

TOTAL MASS (g) : 0.158189

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	0.005123	1000000	32385.3710938		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.051070	975000	322842.28125		
		Iron (Fe)	7439-89-6	0.001257	24000	7946.20605469		
		Phosphorus (P)	7723-14-0	0.000016	300	101.145019531		
		Zinc (Zn)	7440-66-6	0.000037	700	233.897888184		
		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:				0.052380	1000000	331123.53125		
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.002954	1000000	18672.0292969		
		External Plating Total:				0.002954	1000000	18672.0292969
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000419	1000000	2648.73510742		
		Internal Plating Total:				0.000419	1000000	2648.73510742
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.001330	750000	8407.68066406		
		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)		0.000443	250000	2800.45263672		
Die Attach Total:				0.001773	1000000	11208.1328125		
Encapsulation	MULTI-AROMATIC RESIN Br/Sb Free	Resin (EP)		0.009816	103000	62052.4726562		
		Bromine (Br)	40039-93-8	0.000000	0	0		
		Silica (SiO2)	60676-86-0	0.085294	895000	539191.5		
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0		
		Metal Hydroxide		0.000000	0	0		
		Carbon Black (C)	1333-86-4	0.000191	2000	1207.41870117		
		Encapsulation Total:				0.095301	1000000	602451.375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000239	1000000	1510.85375977		
					TOTAL MASS (g) :	0.158189		