

LINEAR TECHNOLOGY MATERIALS DECLARATION

lt1639is#pbfb

(Engineering Calculation)

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TOTAL MASS (g) : 0.133081

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	0.002348	1000000	17643.3300781
Die Coat	Dow Corning	Silicone	69430-27-9	0.000098	1000000	736.391113281
Lead Frame	A42	Copper (Cu)	7440-50-8	0.000000	0	0
		Iron (Fe)	7439-89-6	0.025972	580000	195158.671875
		Phosphorus (P)	7723-14-0	0.000000	0	0
		Zinc (Zn)	7440-66-6	0.000000	0	0
		Nickel (Ni)	7440-02-0	0.018808	420000	141326.984375
		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:		0.044780	1000000	336485.65625
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
		Exter. Plating Sn	7440-31-5	0.002585	1000000	19427.4824219
		External Plating Total:		0.002585	1000000	19427.4824219
		Inter. Plating Ni	7440-02-0	0.000000	0	0
		Inter. Plating Ag	7440-22-4	0.000358	1000000	2690.08178711
		Internal Plating Total:		0.000358	1000000	2690.08178711
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000770	750000	5785.93017578
		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)		0.000257	250000	1931.14819336
		Die Attach Total:		0.001027	1000000	7717.07861328
Encapsulation	MULTI-AROMATIC RESIN Br/Sb FREE	Resin (EP)		0.010599	130000	79642.9609375
		Bromine (Br)	40039-93-8	0.000000	0	0
		Silica (SiO2)	60676-86-0	0.067671	830000	508493.125
		Antimony Trioxide (Sb2O3)	1309-64-4	0.000000	0	0
		Metal Hydroxide		0.002854	35000	21445.5136719
		Carbon Black (C)	1333-86-4	0.000408	5000	3065.79174805
		Encapsulation Total:		0.081532	1000000	612647.375
Bond Wire Estimated	AFW/TANAKA/ Kn	Gold (Au)	7440-57-5	0.000353	1000000	2652.51098633
					TOTAL MASS (g) :	0.133081