

LINEAR TECHNOLOGY MATERIALS DECLARATION

LTC6603IUF#PBF

(Engineering Calculation)

QFN 4mm X 4mm Exp. Pad

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TOTAL MASS (g): 0.041314

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	0.002277	1000000	5511.1484275		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.015961	975000	38638.5625		
		Iron (Fe)	7439-89-6	0.000393	24000	9512.62792969		
		Phosphorus (P)	7723-14-0	0.000005	300	121.025787354		
		Zinc (Zn)	7440-66-6	0.000011	700	266.256744385		
		Nickel (Ni)	7440-02-0	0.000000	0	0		
		Silicon (Si)	7440-21-3	0.000000	0	0		
		Magnesium (Mg)	7439-96-4	0.000000	0	0		
		Tin (Sn)	7440-31-5	0.000000	0	0		
		Lead Frame Total:				0.016370	1000000	396238.46875
Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0		
		Exter. Plating Sn	7440-31-5	0.000773	1000000	18698.6582031		
		External Plating Total:				0.000773	1000000	18698.6582031
		Inter. Plating Ni	7440-02-0	0.000000	0	0		
		Inter. Plating Ag	7440-22-4	0.000362	1000000	8762.26757812		
		Internal Plating Total:				0.000362	1000000	8762.26757812
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000998	750000	23914.6972656		
		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)		0.000239	250000	7963.49707031		
		Die Attach Total:				0.001317	1000000	21876.1953125
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.002616	130000	63320.6953125
Bromine (Br)	40099-09-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.017303	860000	418821.84375		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000201	10000	4865.2381641		
Encapsulation Total:				0.020120	1000000	487007.78125		
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000095	1000000	2299.4902438		

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