

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT3958EUHE#PBF

(Engineering Calculation)

QFN 5mm X 6mm Exp. Pad

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TOTAL MASS (g): 0.067396

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	0.000007	1000000	11923.9775391		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.025794	975000	382722.15625		
		Iron (Fe)	7439-89-6	0.000635	24000	9421.9032031		
		Phosphorus (P)	7723-14-0	0.000008	300	118.701141357		
		Zinc (Zn)	7440-66-6	0.000019	700	281.915222168		
		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:				0.026456	1000000	392544.6875
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.001276	1000000	18935.0820312		
External Plating Total:						0.001276	1000000	18935.0820312
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000573	1000000	8501.96972656		
Internal Plating Total:						0.000573	1000000	8501.96972656
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000499	750000	7403.984375		
		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)		0.00166	250000	2463.04882812		
		Die Attach Total:				0.00166	1000000	9667.03220312
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.004876	130000	72348.3515625
Bromine (Br)	40093-93-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.032257	860000	478617.875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000375	10000	5564.11621094		
Encapsulation Total:						0.037508	1000000	556538.3125
Band Wire Estimated	AFW/TANAKA/Kn			Gold (Au)	7440-57-5	0.000111	1000000	1646.97839355

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