

LINEAR TECHNOLOGY MATERIALS DECLARATION

LT3492IUFD#TRPBF

(Engineering Calculation)

QFN 4mm X 5mm Exp. Pad

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TOTAL MASS (g): 0.049966

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	0.002103	1000000	42888.445125		
Die Coat	Dow Corning	Silicone	69430-27-9	0.000000	0	0		
Lead Frame	Cu	Copper (Cu)	7440-50-8	0.019997	975000	400210.5		
		Iron (Fe)	7439-89-6	0.000492	24000	9846.65429688		
		Phosphorus (P)	7723-14-0	0.000006	300	120.081161499		
		Zinc (Zn)	7440-66-6	0.000014	700	280.189161572		
		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:				0.020599	1000000	410457.40625
		Plating	PMI	Exter. Plating Pb	7439-92-1	0.000000	0	0
Exter. Plating Sn	7440-31-5			0.000227	1000000	4547.23291016		
External Plating Total:						0.000227	1000000	4547.23291016
Inter. Plating Ni	7440-02-0			0.000000	0	0		
Inter. Plating Ag	7440-22-4			0.000429	1000000	8585.80273438		
Internal Plating Total:						0.000429	1000000	8585.80273438
Die Attach	ELECTRICALLY CONDUCTIVE ADHESIVE	Silver (Ag)	7440-22-4	0.000958	750000	19172.9570312		
		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)		0.000119	250000	6384.314804141		
		Die Attach Total:				0.001277	1000000	25587.2695312
		Encapsulation	MULTIAROMATIC RESIN BUSH FREE	Resin (EP)		0.001241	130000	64921.875
Bromine (Br)	40039-09-8			0.000000	0	0		
Silica (SiO2)	60676-86-0			0.021457	860000	429430.21875		
Antimony Trioxide (Sb2O3)	1309-64-4			0.000000	0	0		
Metal Hydroxide				0.000000	0	0		
Carbon Black (C)	1333-86-4			0.000250	10000	5003.38134766		
Encapsulation Total:						0.024951	1000000	499357.46875
Bond Wire Estimated	AFW/TANAKA/Kn	Gold (Au)	7440-57-5	0.000470	1000000	9406.35742188		

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