

# Bill Of Materials for LFO

**Design Title** LFO  
**Author** Dustin Stroh (J3RK)  
**Document Number**  
**Revision** 1.1  
**Design Created** Monday, July 17, 2023  
**Design Last Modified** Monday, July 17, 2023  
**Total Parts In Design** 30

## 0 Modules

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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Sub-totals:

## 2 Capacitors

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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1	C1	33nF	CAP20	Polypropylene Film (5mm Lead Spacing) Normal Speed (can be tweaked)
1	C2	100nF	CAP20	Polypropylene Film (5mm Lead Spacing) Slow Speed (can be tweaked)

Sub-totals:

## 7 Resistors

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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1	R1	200K	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R2	97.6K	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R3	4.99K	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R4	10K	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R5	1K	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R6	680R	RES40	1% (50PPM / 100PPM) 1/4W Resistor
1	R7	100R	RES40	1% (50PPM / 100PPM) 1/4W Resistor

Sub-totals:

## 2 Integrated Circuits

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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1	U1	TL072	DIL08	Any Dual Op Amp (TL072 / LF353 / etc.)
1	U2	TL071	DIL08	Any Single Op Amp (TL071 / etc.)

Sub-totals:

## 0 Transistors

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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Sub-totals:

## 2 Diodes

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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2	D1-D2	1N4148	DIODE30	Standard Small Signal Switching Diodes (1N4148 or equivalent)
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Sub-totals:

## 17 Miscellaneous

<a href="#">Quantity</a>	<a href="#">References</a>	<a href="#">Value</a>	<a href="#">PCB Package</a>	<a href="#">Notes</a>
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4	+12,-12,0V, OUT	CONN-SIL1	CONN-SIL1	
4	BP1-BP4	100nF	0805	SMT 0805 BYPASS/DECOUPLING CAPACITORS (C0G/NP0)
2	FB1-FB2	0R	RES40	Ferrite Beads
1	HILO	SW-SPST	CONN-SIL2	SPST/SPDT Toggle (NKK or TE/Alco recommended)
1	J1	SIL-156-04	SIL-156-04	MTA-156 Friction Lock Power Header

1	LED1	LED-BIRG	CONN-SIL2	2-Lead Bi-Color LED
2	PF1-PF2	10uF	ELEC-RAD13	Power Filtering Electrolytic Capacitors
1	RATE	100K	CONN-SIL3	Panel Pot Linear
1	SKEW	500K	CONN-SIL3	Panel Pot Linear

Sub-totals:

Totals: