

LFO BOM

| Id | Designator | Package | Quantity | Designation | Supplier and ref |
|----|-------------------------------|--|----------|------------------------|---|
| 2 | C1,C5,C7,C8,C9, | Ceramic Capacitor | 5 | 100nf | https://www.rapidonline.com/suntan-ts15001e104msbfbor-100n |
| 3 | C2,C4 | Ceramic Capacitor | 2 | 10n | https://www.rapidonline.com/suntan-ts15001h103zsbvb0r-10nf |
| 4 | C6,C3 | Ceramic Capacitor | 2 | 2n2 | https://www.rapidonline.com/Catalogue/Search?Query=ceramic |
| 6 | C10,C11,C12 | Electrolytic Capacitor | 3 | 10uf | https://www.rapidonline.com/forever-10uf-20-35v-105-c-p-2mm |
| 7 | C13 | Electrolytic Capacitor | 1 | 2u2 | https://www.rapidonline.com/forever-2-2uf-20-50v-85-c-7mm-r |
| 8 | D1 | Diode | 1 | 1N4148 | https://www.rapidonline.com/dc-components-1n4148-pack-of- |
| 9 | D2,D3 | LED 5mm | 2 | LED | https://www.rapidonline.com/kingbright-l-53id-5mm-red-led-dif |
| 10 | FB1,FB2 | 10R resistor or Ferrite Bead | 2 | Ferrite_Bead | https://www.rapidonline.com/10r-1-0-4w-royal-ohm-metal-film- |
| 11 | J1 | 2 pin Molex Connector | 1 | SYNC IN | https://www.rapidonline.com/molex-22-27-2021-2-way-2-54mm |
| 12 | J2 | 2 pin Molex Connector | 1 | FREQUENCY INPUT PIN | These are the type of connectors I use. However there is |
| 13 | J3 | 2 pin Molex Connector | 1 | level input pin | Nothing stopping you just wiring it straight to the board |
| 14 | J4 | 2 pin Molex Connector | 1 | LFO OUT | |
| 15 | J5 | 2 pin Molex Connector | 1 | LFOINVOUT | |
| 16 | J6 | 10 Pin Eurorack Power | 1 | POWER INPUT | https://www.rapidonline.com/truconnect-10-way-idc-straight-b |
| 17 | Q1 | Transistor | 1 | BC547 | https://www.rapidonline.com/bc547c-diotec-bipolar-npn-transis |
| 18 | Q2,Q3 | Transistor | 2 | 2N3904 | https://www.rapidonline.com/trusemi-2n3904-transistor-npn-to5 |
| 19 | R1,R5,R12 | Resistor (metal film or any really) | 3 | 10k | |
| 20 | R2,R9,R13,R19,R20,R25,R27,R28 | Resistor (metal film or any really) | 8 | 1k | These come in packs of 100 from rapid however you could |
| 21 | R3,R16 | Resistor (metal film or any really) | 2 | 200k | Fine a multipack or something |
| 22 | R4,R6,R17,R18,R22,R23,R24,R26 | Resistor (metal film or any really) | 8 | 100k | But I suspect if your building this |
| 23 | R7,R21 | Resistor (metal film or any really) | 2 | 4k7 | You'll be building more diy things |
| 24 | R8,R10 | Resistor (metal film or any really) | 2 | 12k | And its good to have lots of resistors! For example :- |
| 25 | R11 | Resistor (metal film or any really) | 1 | 47k | https://www.rapidonline.com/47k-0-25w-royal-ohm-metal-film-r |
| 26 | R14 | Resistor (metal film or any really) | 1 | 20k | |
| 27 | R15 | Resistor (metal film or any really) | 1 | 24k | |
| 28 | RV1 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | waveform 10k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 29 | RV2 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | FREQ ATT 100k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 30 | RV3 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | FREQ 100k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 31 | RV4 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | multiplication 10k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 32 | RV5 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | shape 10k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 33 | RV6 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | level att 100k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 34 | RV7 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | LEVEL 100k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 35 | RV8 | Potentiometer_Bourns_3296W_Vertical | 1 | Preset Pot 100k | https://www.rapidonline.com/bourns-3296w-1-104lf-100k-10-p |
| 36 | RV9 | Potentiometer_Alps_RK09K_Single_Vertical | 1 | S/HRATE 10k | https://www.thonk.co.uk/shop/alpha-9mm-pots/ |
| 37 | SW1 | SPDT miniature Toggle Switch | 1 | wave bank | https://www.rapidonline.com/salecom-t8013-sebq-h-spdt-on-n |
| 38 | SW2 | SPDT miniature Toggle Switch | 1 | synconoff | https://www.rapidonline.com/salecom-t8013-sebq-h-spdt-on-n |
| 39 | U1 | DIP-14_W7.62mm | 1 | TL074 | https://www.rapidonline.com/Catalogue/Search?Query=tl074 |
| 40 | U2 | DIP-8_W7.62mm | 1 | TL072 | https://www.rapidonline.com/Catalogue/Search?Query=tl072 |
| 41 | U3 | DIP-14_W7.62mm | 1 | VCLFO10 ELECTRIC DRUID | https://electricdruid.net/product/vclfo-10/ |
| 42 | U4 | TO-220 Voltage Regulator | 1 | L7805 | https://www.rapidonline.com/st-l7805cv-5v-1a-voltage-regulatc |
| 43 | U5 | TO-220 Voltage Regulator | 1 | L7905 | https://www.rapidonline.com/st-l7905cv-5v-1a-voltage-regulatc |
| 44 | BIG JACKS | | 7 | | https://www.rapidonline.com/truconnect-3-pole-box-style-jack- |
| 45 | BIG KNOB | | 1 | | https://www.rapidonline.com/sci-rn-114b-arrow-control-knob-3 |
| 46 | SMALL KNOBS | | 7 | | https://www.rapidonline.com/sci-rn-117b-arrow-control-knob-2 |