

Please note:**Eurorack Version**

(Wired version on pages 3&4)

Mods:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	Resistor clipping across pins 1 & 3 (outer legs). Read assembly instructions for more details.	U3	N/A	<input type="checkbox"/>

Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
2	1k Ω	R3, R7	291-1K-RC	<input type="checkbox"/>
3	4.7k Ω	R5, R9, R10	291-4.7K-RC	<input type="checkbox"/>
1	10k Ω	R11	291-10K-RC	<input type="checkbox"/>
3	47k Ω	R2, R6, R8	291-47K-RC	<input type="checkbox"/>
2	1M Ω	R1, R4	291-1M-RC	<input type="checkbox"/>

Total: 11

Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	1nF Ceramic	C4	140-50P2-102K-RC	<input type="checkbox"/>
2	10nF Ceramic	C3, C7	140-100Z5-103Z-RC	<input type="checkbox"/>
1	1 μ F Electrolytic	C5	667-EEU-HD1H1R0	<input type="checkbox"/>
1	4.7 μ F Electrolytic	C1	667-EEU-HD1H4R7	<input type="checkbox"/>
1	22 μ F Electrolytic	C6	140-SEA220M1VBK0607	<input type="checkbox"/>
1	47 μ F Electrolytic	C2	667-ECE-A1CKS470	<input type="checkbox"/>

Total: 7

Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	BAT85	D3	78-BAT85S	<input type="checkbox"/>

Total: 1

Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	2N3904 Transistor	Q1, Q2	512-2N3904BU	<input type="checkbox"/>

Total: 2

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	8-Pin Socket	U1	649-DILB8P-223TLF	<input type="checkbox"/>
1	TL072	U1	595-TL072IPE4	<input type="checkbox"/>

Total: 2

Potentiometers:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	50k Ω Linear	VR1	Synthrotek	<input type="checkbox"/>
1	100k Ω Linear	VR2	Synthrotek	<input type="checkbox"/>
1	5k Ω Audio	VR3	Synthrotek	<input type="checkbox"/>

Total: 3

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
3	Mono Right Angle 3.5mm	J1, J2, J3	502-35RAPC2AV	<input type="checkbox"/>
1	16-Pin Shrouded Header	J5	517-30316-6002	<input type="checkbox"/>

Total: 4

Other:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	16-to-16 Pin Keyed Eurorack Power Cable	N/A	Various Suppliers	<input type="checkbox"/>
3	White Knobs (optional)	N/A	450-1C618	<input type="checkbox"/>
3	Potentiometer Nuts and Washer	N/A	Various Suppliers	<input type="checkbox"/>
3	3.5mm Nut	N/A	Various Suppliers	<input type="checkbox"/>
2	3.0mm Machine Screws	N/A	Various Suppliers	<input type="checkbox"/>
2	2.5mm Machine Screws	N/A	Various Suppliers	<input type="checkbox"/>
1	Eurorack Panel	N/A	Synthrotek	<input type="checkbox"/>
1	PCB	PCB	Synthrotek	<input type="checkbox"/>
6	C8, C9, D4, RX1, RX2, RX3	NO POP	Do Not Populate	<input type="checkbox"/>

Total: 22

Wired VersionMods:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	Resistor clipping across pins 1 & 3 (outer legs). Read assembly instructions for more details.	U3	N/A	<input type="checkbox"/>

Resistors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
2	1k Ω	R3, R7	291-1K-RC	<input type="checkbox"/>
3	4.7k Ω	R5, R9, R10	291-4.7K-RC	<input type="checkbox"/>
1	10k Ω	R11	291-10K-RC	<input type="checkbox"/>
3	47k Ω	R2, R6, R8	291-47K-RC	<input type="checkbox"/>
2	1M Ω	R1, R4	291-1M-RC	<input type="checkbox"/>

Total: 11

Capacitors:

QTY	Value	Ref.	Mouser Part #	<input type="checkbox"/>
1	1nF Ceramic	C4	140-50P2-102K-RC	<input type="checkbox"/>
2	10nF Ceramic	C3, C7	140-100Z5-103Z-RC	<input type="checkbox"/>
1	1 μ F Electrolytic	C5	667-EEU-HD1H1R0	<input type="checkbox"/>
1	4.7 μ F Electrolytic	C1	667-EEU-HD1H4R7	<input type="checkbox"/>
1	22 μ F Electrolytic	C6	140-SEA220M1VBK0607	<input type="checkbox"/>
1	47 μ F Electrolytic	C2	667-ECE-A1CKS470	<input type="checkbox"/>

Total: 7

Diodes:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	BAT85	D4	78-BAT85S	<input type="checkbox"/>

Total: 1

Transistors/Voltage Regulators:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
2	2N3904 Transistor	Q1, Q2	512-2N3904BU	<input type="checkbox"/>

Total: 2

Integrated Circuits:

QTY	Part	Ref.	Mouser Part #	<input type="checkbox"/>
1	8-Pin Socket	U1	649-DILB8P-223TLF	<input type="checkbox"/>
1	TL072	U1	595-TL072IPE4	<input type="checkbox"/>

Total: 2

Potentiometers:

QTY	Value	Ref.	Mouser Part #	
1	50k Ω Linear	VR1	Synthrotek	<input type="checkbox"/>
1	100k Ω Linear	VR2	Synthrotek	<input type="checkbox"/>
1	10k Ω Audio	VR3	Synthrotek	<input type="checkbox"/>

Total: 3

Jacks/Connectors:

QTY	Part	Ref.	Mouser Part #	
3	1/8" mono jack *	J1, J2, J3	502-35RAPC2AV	<input type="checkbox"/>
1	9v Battery Clip		12BC312-GR	<input type="checkbox"/>
1	2.1mm DC Jack		Various Suppliers	<input type="checkbox"/>

Total: 4

Other:

QTY	Part	Ref.	Mouser Part #	
3	White Knobs (optional)	N/A	450-1C618	<input type="checkbox"/>
3	Potentiometer Nuts and Washer	N/A	Various Suppliers	<input type="checkbox"/>
1	PCB	PCB	Synthrotek	<input type="checkbox"/>
1	5 feet of wire	N/A	Synthrotek	<input type="checkbox"/>
6	C8, C9, D3, RX1, RX2, RX3	NO POP	Do Not Populate	<input type="checkbox"/>

Total: 14

* May be 1/4" mono, depending on what was ordered.