



7Dwarves Auto Wah

Build Document

Capacitors

I obtained all of my capacitors from Tayda. That's what the layout was setup for.

P/N	Value	Type	Notes
C1	22nF	Film Box	
C2	68nF	Film Box	
C3	220nF	Film Box	
C4	8n2	Film Box	
C5	22nF	Film Box	
C6	22nF	Film Box	
C7	100uF	Aluminum Electrolytic	
C8	1uF	Aluminum Electrolytic	
C9	1uF	Aluminum Electrolytic	
C10	100nF	Film Box	
C11	1uF	Aluminum Electrolytic	
CF	100nF	Film Box	

Diodes

I obtained all of my diodes from Tayda. That's what the layout was setup for. (Caution: People have stated that the 1N34A from Tayda aren't legit.)

P/N	Value	Notes
D1	1N4148	
D2	1N4148	
D4	1N400x	
D5	1N400x	
D6	1N34A	I haven't tried it, but you might be able to use a 1N60 or 1N270. People have stated that the 1N34A makes it sound better.

Integrated Circuits

I obtained all of my ICs from Tayda. That's what the layout was setup for.

P/N	Value	Notes
IC1	LM324	
IC2	LM13700	

Transistors

Finding 2N5457s and J201s is not easy. As an alternate, consider investigating the MPF102.

P/N	Value	Notes
Q1	BC550C	I read in places that you should use the C variant. However, I tried both the C and B and heard no difference.
Q2	BC550C	I read in places that you should use the C variant. However, I tried both the C and B and heard no difference.
Q3	2N5457	
U1	78L05	

Resistors

P/N	Value
R1	5k1
R2	330R
R3	330R
R4	1M
R5	10k
R6	1M
R7	330R
R8	6k8
R9	4M7
R10	20k
R11	20k
R12	330R
R13	330R
R14	4k7
R15	4k7
R16	6k8
R17	10k
R18	47k
R19	4M7
R20	47R
R21	47k
R22	47k
R23	10k
R24	20k
R26	7k9
R27	4k7
R28	100k
R29	1k
R30	6k8
R31	6k8

Potentiometers

I obtained all of these from Tayda. That's what the layout was setup for.

P/N	Value	Notes
DECAY	C1M	I recommend this one .
BIAS	B50k	I recommend this one .
RESONANCE	B50k	I recommend this one .
SENSITIVITY	B100k	I recommend this one .

Other Parts

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Qty	Value	Notes
1	14-pin socket	
1	16-pin socket	
2	8-pin socket	Cut in half (and remove one pin) to use for transistors.

