



Scarlet Alpaca

Build Document

Capacitors

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

P/N	Value	Type	Notes
C1	68nF	Film Box	
C2	51pF	Ceramic	May have to get a 50pF.
C3	33nF	Film Box	
C4	330uF	Aluminum Electrolytic	I've seen some schematics use 100uF.
C5	100pF	Ceramic	
C6	10uF	Aluminum Electrolytic	

Diodes

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

P/N	Value	Notes
D1	1N400x	Polarity protection.

Integrated Circuits

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

P/N	Value	Notes
IC1	CD4049UBE	Please make sure it's the UBE. You will have issues otherwise.

Resistors

P/N	Value
R1	100k
R2	100k
R3	1M
R4	1k
R5	1M5

Potentiometers

P/N	Value	Notes
DRIVE	B1M	If wanting to do onboard pots, I recommend this one .
VOL	A10k	If wanting to do onboard pots, I recommend this one .

Other Parts

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Qty	Value
1	16-pin socket

Suggested Soldering Order

Because of the layout, the following order may simplify your soldering life.

1. Resistors and diode on bottom.
2. C4 on bottom.
3. Resistors on top.
4. Lay down C6 on top then solder. After soldering is complete, stand the cap up temporarily.
5. Capacitors on bottom.
6. Pots on top.
7. Lay down C6.
8. Socket on bottom.