



I'm a Big Dill

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	1uF	Aluminum Electrolytic	50V
C2	1uF	Aluminum Electrolytic	50V
C3	47uF	Aluminum Electrolytic	50V
C4	100nF	Film Box	
C5	1uF	Aluminum Electrolytic	50V
C6	1uF	Aluminum Electrolytic	50V
C7	1uF	Aluminum Electrolytic	50V
C8	1uF	Aluminum Electrolytic	50V
C9	33nF	Film Box	
C10	3n3	Film Box	
C11	1uF	Aluminum Electrolytic	50V
C12	470pF	Ceramic	
C13	100nF	Film Box	
C14	470pF	Ceramic	
C15	100nF	Film Box	
C16	47nF	Film Box	
C17	1uF	Aluminum Electrolytic	50V
C18	100uF	Aluminum Electrolytic	25V
C19	100nF	Film Box	
C20	470pF	Ceramic	

Diodes

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

P/N	Value	Notes
D1	1N4148	
D2	1N4148	
D3	1N4148	
D4	LED	
D6	1N4148	
D7	LED	
D8	1N400x	Polarity protection.

Integrated Circuits/Transistors

The IC/transistors used for this build are kind of fun. You have three options.

P/N	Value	Notes
	2N3904/MPQ3904/MMPQ3904	You can use 4x 2N3904s, 1x MPQ3904, or 1x MMPQ3904. The MMPQ3904 is an SMD IC, and I have included a converter board to use if you choose to do so.

Resistors

P/N	Value
R1	1k
R2	4k7
R3	33k
R5	10k
R6	100k
R7	1k5
R8	100k
R9	4k7
R10	10k
R11	470k
R12	100R
R13	10k
R14	10k
R15	10k
R16	470k
R17	1k5
R18	470k
R19	100R
R20	4k7
R21	100k
R22	10k
R23	100R
R24	33k
R25	10R
R26	100k
R27	470k
R28	150R

Potentiometers

I obtained all of these from Tayda. That's what the layout was setup for. However, if you want to do something else, you can always offboard wire your potentiometers.

P/N	Value	Notes
CLIP	B500k	Trimpot. I recommend this one .
CRUNCH	A470k	9mm. A470k may be unobtainium, so use A500k. I recommend this one .
FILTER	B100k	16mm. I recommend this one .
LOUDNESS	B100k	16mm. I recommend this one .
SCOOP	B50k	9mm. I recommend this one .
SUSTAIN	B100k	16mm. I recommend this one .
VOICE	B500k	Trimpot. I recommend this one .

Other Parts

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Qty	Value	Notes
1	14-pin socket	Use with the transistors/IC.

