Sheepylove Lucky Lamb Build Doc

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It's woolly, it's greasy, it's Sheepylove.

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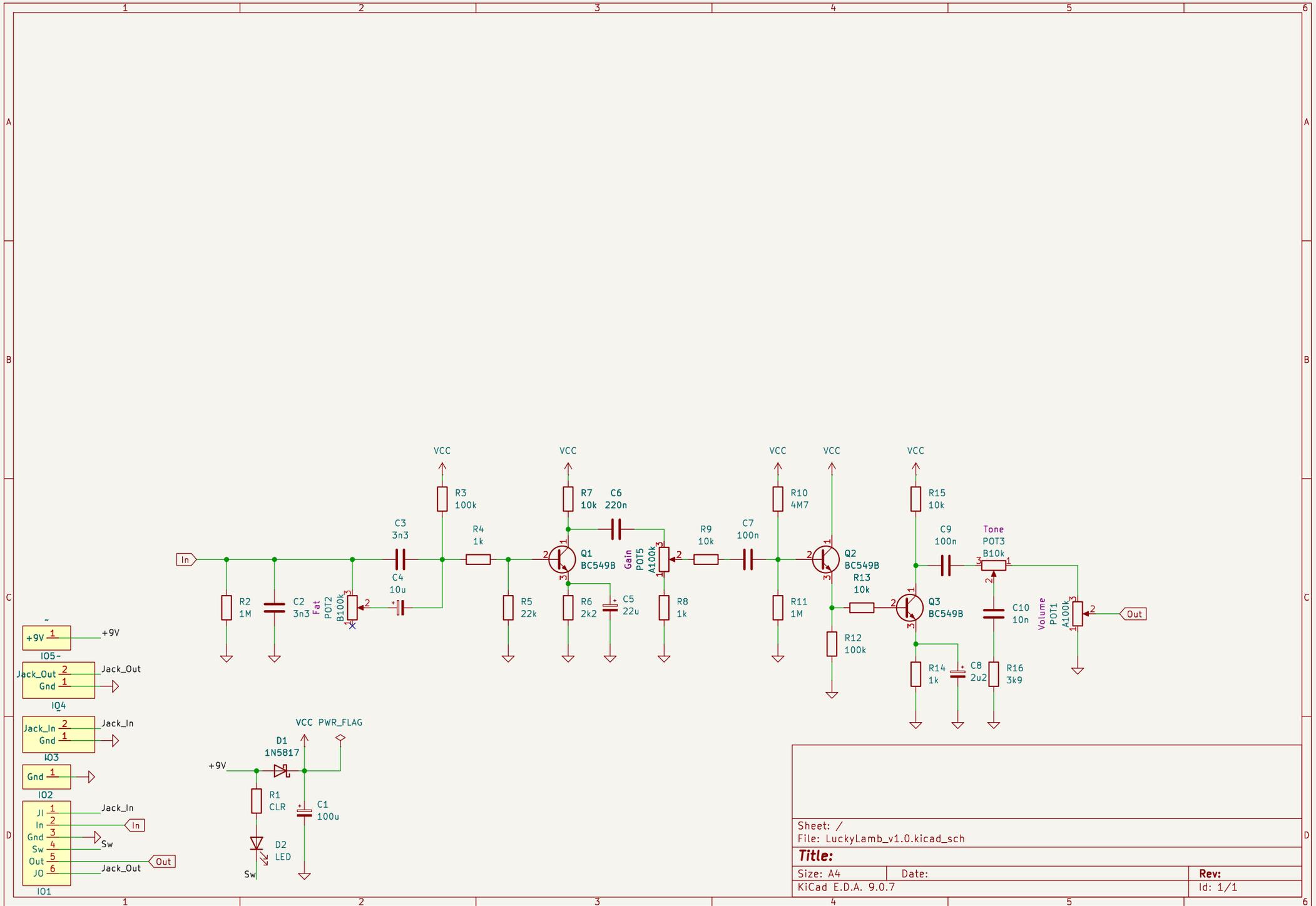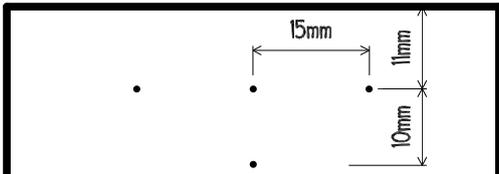
Sounds like Basic Audio Lucky Number

Bill of Materials

Reference	Value	Quantity	Notes
C1	100u	1	
C2,C3	3n3	2	
C4	10u	1	
C5	22u	1	
C6	220n	1	
C7,C9	100n	2	
C8	2u2	1	
C10	10n	1	
D1	1N5817	1	
D2	LED	1	
IO2,IO5	~	2	
POT1,POT5	A100k	2	
POT2	B100k	1	
POT3	B10k	1	
Q1–Q3	BC549B	3	Low–Med gain NPN
R1	CLR	1	
R2,R11	1M	2	
R3,R12	100k	2	
R4,R8,R14	1k	3	
R5	22k	1	
R6	2k2	1	
R7,R9,R13,R15	10k	4	
R10	4M7	1	
R16	3k9	1	

PCB Images

Top View

Gnd · LED · Gnd
Jack In · Gnd − + +9V · Jack Out

Gain · A100k · CLR · 1N5817 · Volume · A100k
220n · 10k · 100n · 16V 100u
· 1k · 4M7 · 10k
· 10k · 1M · 10k
16V 22u · C B E BC549B · C B E BC549B · C B E BC549B · 16V 2u2
2k2 · 22k · 100k · 10k · 1k
Fat · B100k · 16V 10u · Tone · B10k
3n3 · 3n3 · Lucky Lamb v1.0 · 100n · 10n
100k · 1k · by Sheepylove · 1M · 3k9
JI In Gnd Sw Out JO

Bottom View

Gnd · Gnd
Jack Out · +9V − + Gnd · Jack In

A100k · D2 R1 · A100k
C1 · D1 · C6
· C7 · R9
R15 · R10 · R8
· R11 · R7
C8 · E B C Q3 · E B C Q2 · E B C Q1 · C5
R14 · R13 · R12 · R5 · R6
B10k · Tone · C4 · B100k
C10 · C9 · C2 · C3
R16 · R2 · R4 · R3
JO Out Sw Gnd In JI

VCC

R3
100k

C3
3n3

R4
1k

Q1
BC549B

VCC

R7
10k

C6
220n

Gain
POT5
A100k

R9
10k

C7
100n

Q2
BC549B

R13
10k

VCC

R15
10k

C9
100n

Tone
POT3
B10k

In

R2
1M

C2
3n3

Fat
POT2
B100k

C4
10u

R5
22k

R6
2k2

C5
22u

R8
1k

VCC

R10
4M7

VCC

R11
1M

R12
100k

Q3
BC549B

R14
1k

C8
2u2

R16
3k9

C10
10n

Volume
POT1
A100k

Out

~
+9V

IO5~

Jack_Out
Gnd

IO4

Jack_Out

Jack_In
Gnd

IO3

Jack_In

Gnd

IO2

JI
In
Gnd
Sw
Out
JO

IO1

Jack_In

In

Sw

Out

Jack_Out

VCC PWR_FLAG

+9V

D1
1N5817

R1
CLR

C1
100u

D2
LED

Sw

15mm

11mm

10mm

With a sheepy kind of love.

Sheepylove Drill Template

	-16.5	0	16.5
38.1	•		•
12.7	•		•
0		+	
-12.7		• LED	
-45.1		• Footswitch	
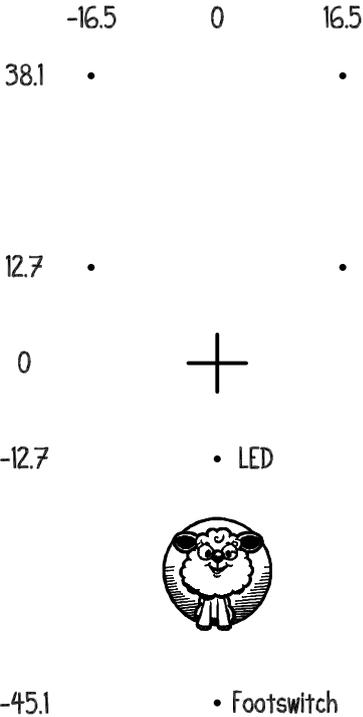
Print 1:1 scale.
All units are in millimeters.