Sheepylove Mosfet Driver Redux Build Doc

Updated: 2026-10-25

It’s woolly, it’s greasey, it’s Sheepylove.

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Sounds like MOSFET Driver with mods by Celestial Engineering

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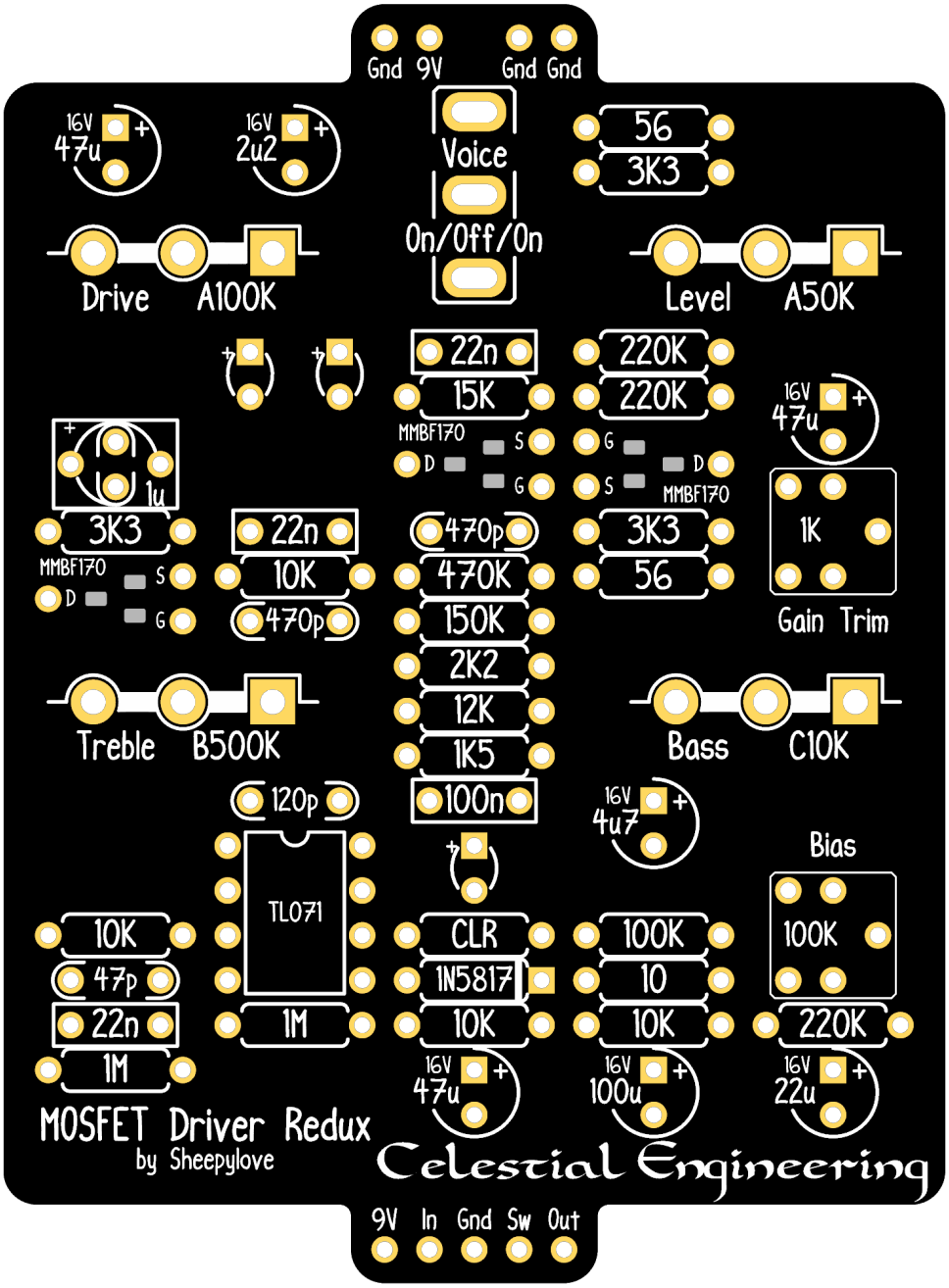
Bill of Materials

Reference	Value	Quantity	Notes
C1	100u	1	
C2	47u	1	
C3	22u	1	
C4,C9,C13	22n	3	
C5	47p	1	
C6	120p	1	
C7	100n	1	
C8	4u7	1	Tantalum preferred
C10,C16	470p	2	
C11	2u2	1	Tantalum preferred
C12,C14	47u	2	Tantalum preferred
C15	1u	1	Tantalum or film
D1	1N5817	1	
D2	LED	1	
D3,D4	Green	2	
IC1	TL071	1	
POT1	A50K	1	
POT2	A100K	1	
POT3	C10K	1	
POT4	B500K	1	
Q1–Q3	MMBF170	3	BS170 TH equivalent
R1	CLR	1	
R2	10	1	
R3,R4,R9,R11	10K	4	
R5	100K	1	
R6,R17,R18	220K	3	
R7,R8	1M	2	
R10	1K5	1	
R12	470K	1	
R13	150K	1	
R14,R19,R23	3K3	3	
R15,R20	56	2	
R16	15K	1	
R21	2K2	1	
R22	12K	1	
RV1	100K	1	5V on Q1–D
RV2	1K	1	
SW1	On/Off/On	1	

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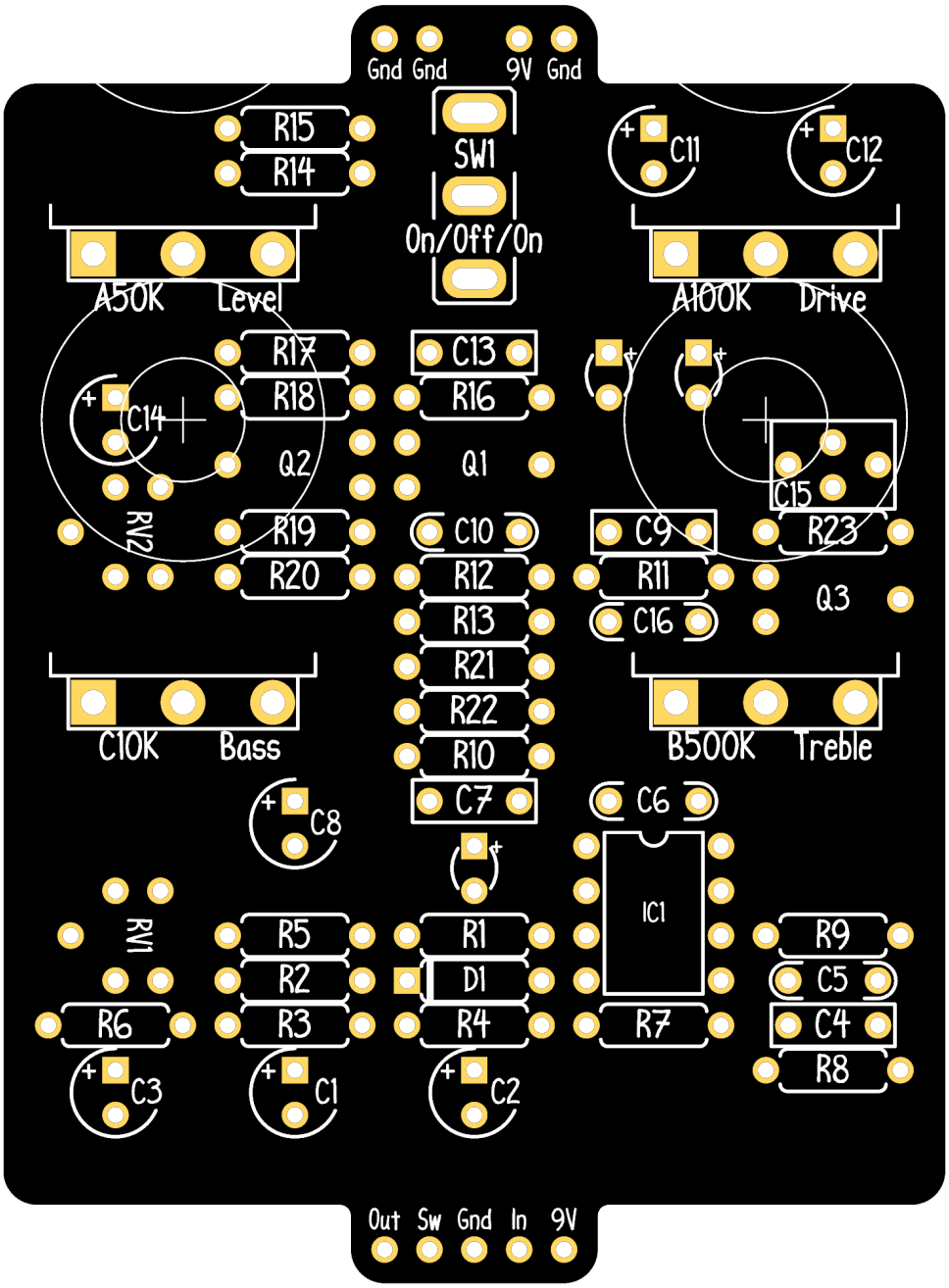
PCB Images

Top View

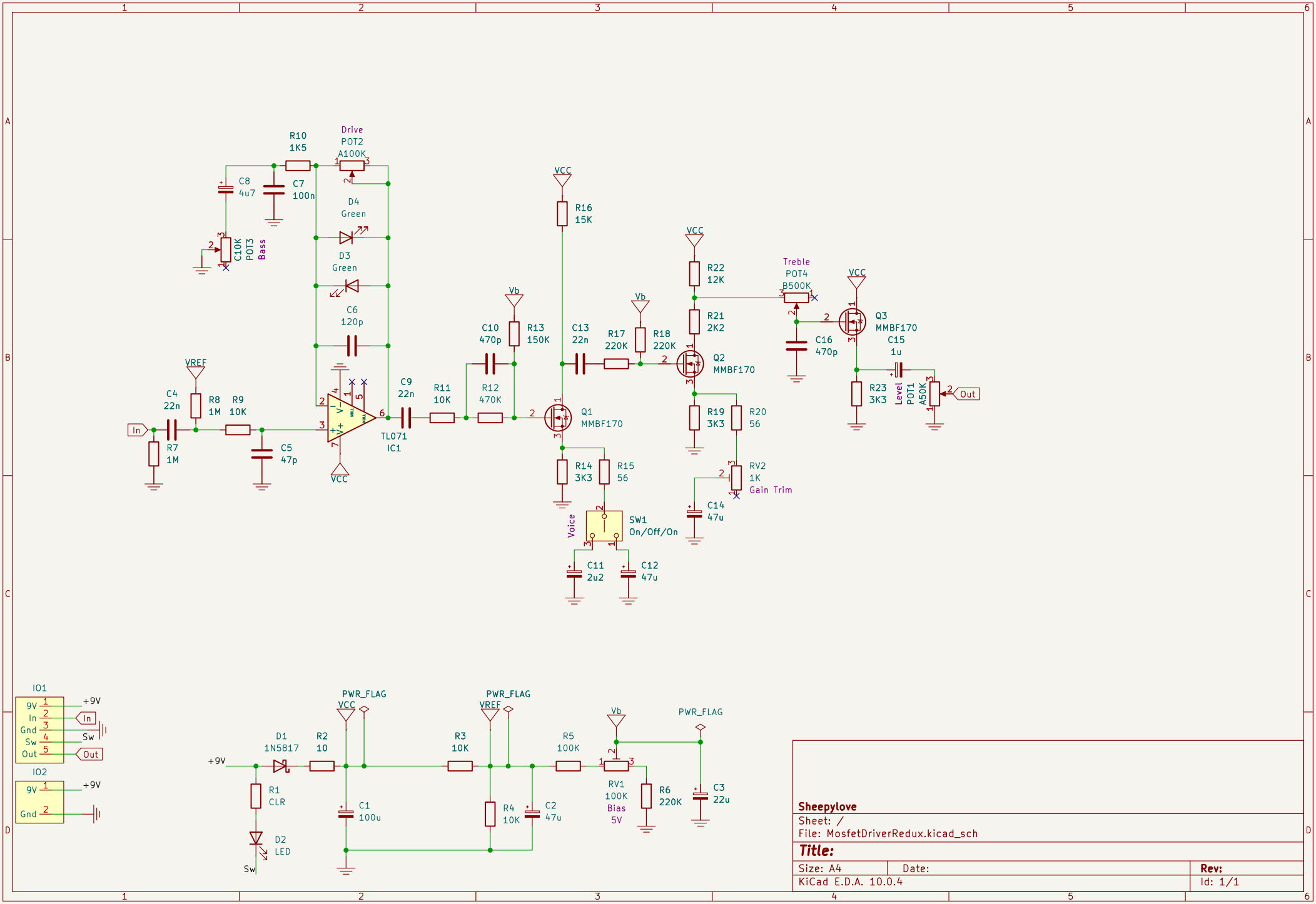


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Bottom View



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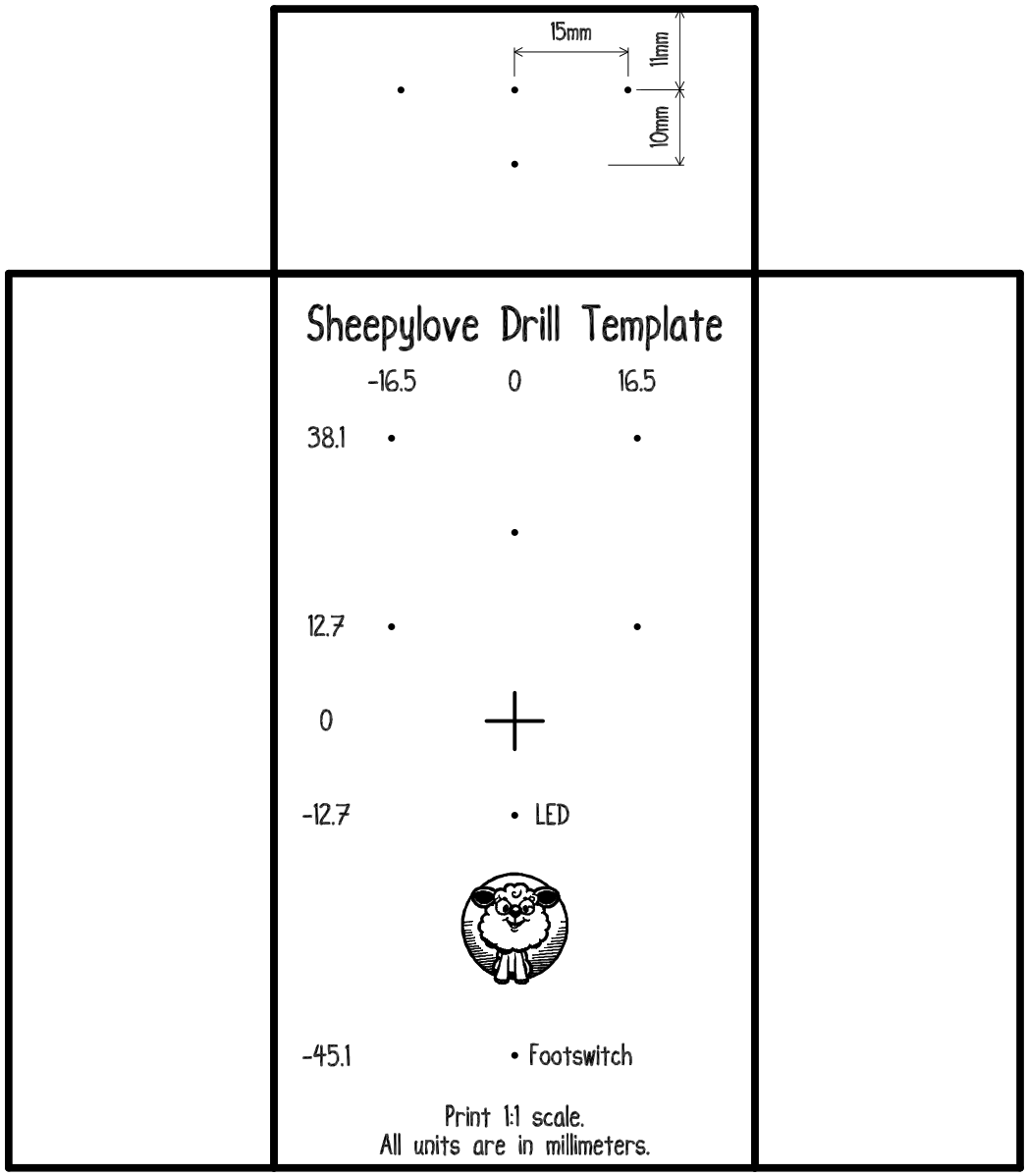
Sheepylove

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Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 10.0.4		Id: 1/1


15mm
11mm
10mm
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.