Honey Coma

other*
diy
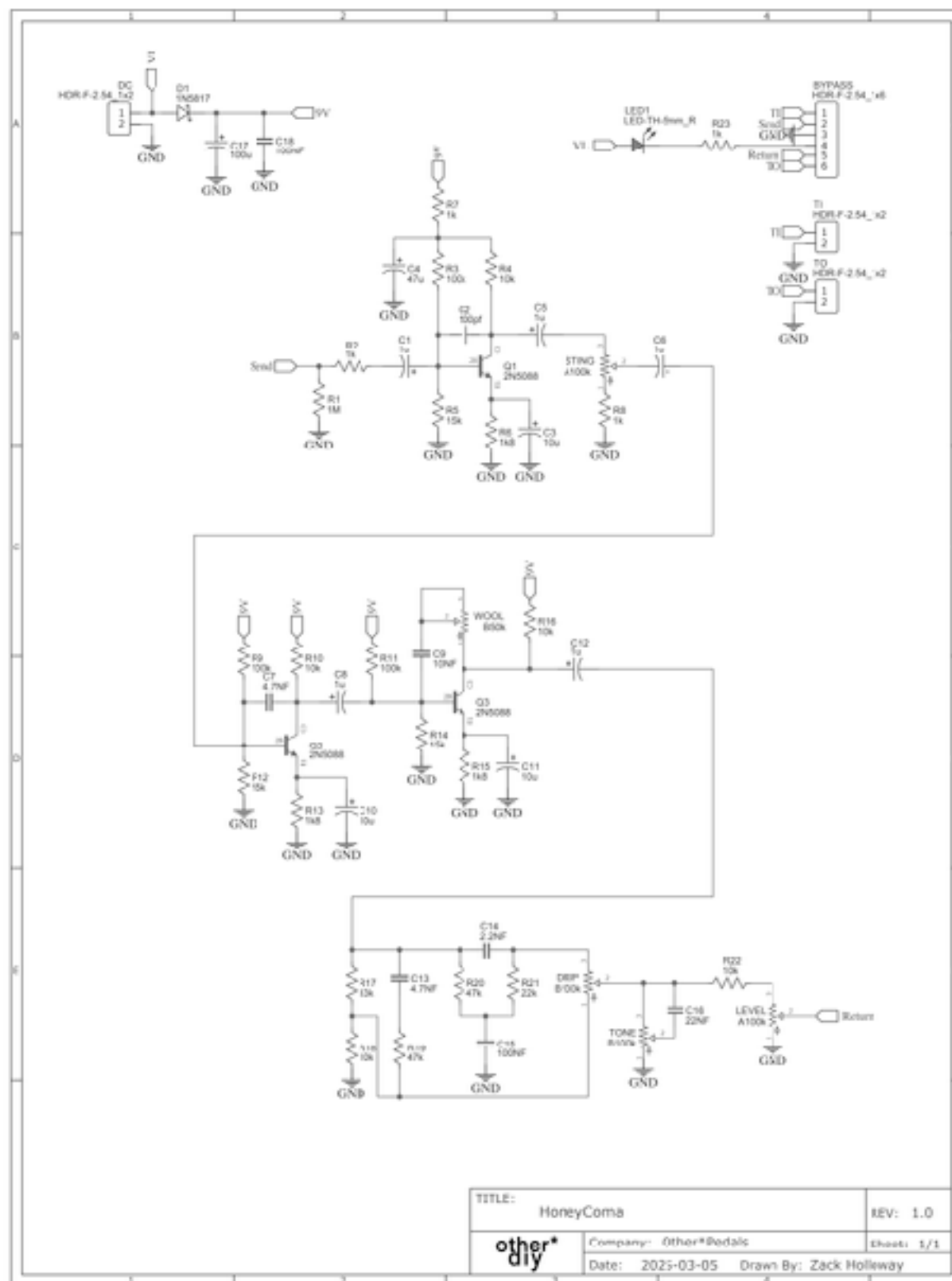
Vintage fuzz inspired by the **Roland**® AF-100 Bee Baa Fuzz.

BOM:

Name	Designator	Footprint	Quantity
1u	C1,C5,C6,C8,C12	CAP-D6.3×F2.5	5
100pf	C2	CAP- 2.5*4.6*7	1
10u	C3,C10,C11	CAP-D6.3×F2.5	3
47u	C4	CAP-D8.0×F3.5	1
4.7NF	C7,C13	BOX_FILM_CAP_5MMX7.2MMX2.5MM	2
10NF	C9	BOX_FILM_CAP_5MMX7.2MMX2.5MM	1
2.2NF	C14	BOX_FILM_CAP_5MMX7.2MMX2.5MM	1
100NF	C15,C18	BOX_FILM_CAP_5MMX7.2MMX2.5MM	2
22NF	C16	BOX_FILM_CAP_5MMX7.2MMX2.5MM	1
100u	C17	CAP-D8.0×F3.5	1
1N5817	D1	1N5817_THROUGH	1
B100k	DRIP,TONE	ALPHA16MMPOT	2
LED-TH-5mm_R	LED1	LED-TH_BD5.0_RED	1
A100k	LEVEL,STING	ALPHA16MMPOT	2
2N5088	Q1,Q2,Q3	2N5088	3
1M	R1	R_AXIAL-0.3	1
1k	R2,R7,R8,R23	R_AXIAL-0.3	4
100k	R3,R9,R11	R_AXIAL-0.3	3
10k	R4,R10,R16,R18,R22	R_AXIAL-0.3	5
15k	R5,R12,R14	R_AXIAL-0.3	3
1k8	R6,R13,R15	R_AXIAL-0.3	3
33k	R17	R_AXIAL-0.3	1
47k	R19,R20	R_AXIAL-0.3	2
22k	R21	R_AXIAL-0.3	1
B50k	WOOL	ALPHA16MMPOT	1

Schematic:

| TITLE:	HoneyComa		REV: 1.0
other* diy	Company: Other*Pedals		Sheet: 1/1
	Date: 2025-03-05	Drawn By: Zack Holleway	

Do not drill any holes in the faceplate. Light from LED will show through the asterisk in the faceplate.
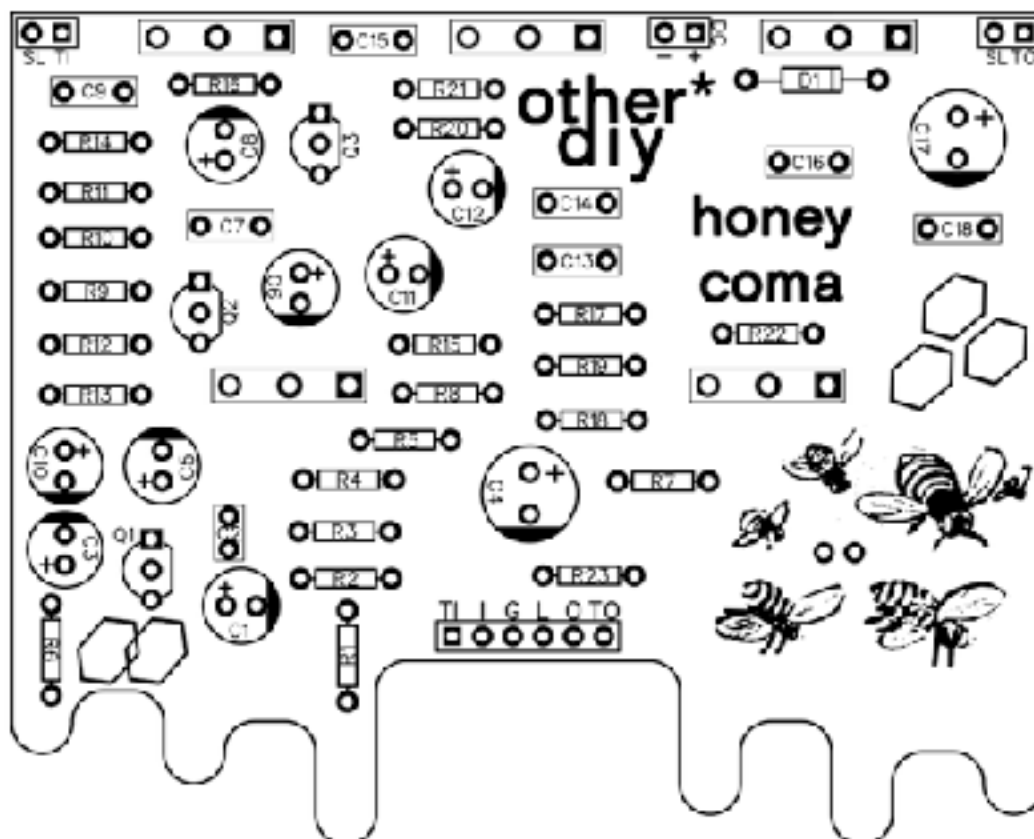
Drill Guide:

Drill guide on next page. Print at 100%. Do not scale.

The little dot in the lower left side is the bypass LED drill hole. Drill any size from 3mm to 6mm, or 1/4 inch.
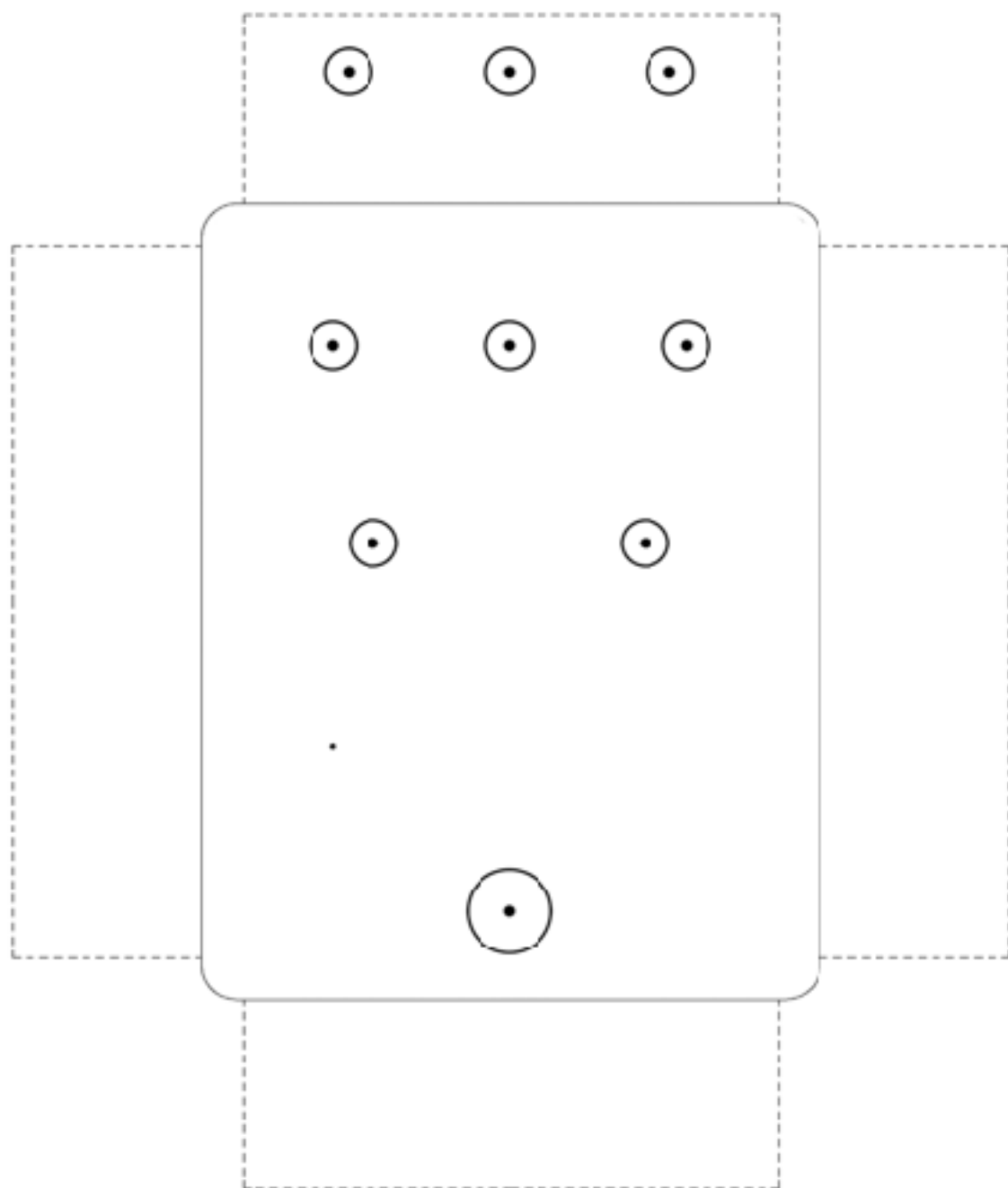
PCB:

LEGEND:
TI: Tip In
I: Effect Send
G: Ground
L: LED Cathode
O: Effect Return
TO: Tip Out

SL: Jack Sleeves

BYPASS LED:
Mount bypass LED flush to back (or bottom) side of the PCB. When using the PCB faceplate no LED bezel is required. Simply drill a hole in the case. Light from the LED will show through the faceplate.

Junk n Stuff:

The **Roland**® AF-100 Bee Baa Fuzz has three footswitches, one bypass, one to engage a treble boost, and one to select between two filter sections. Honey Coma has but a single bypass footswitch. The treble boost is always engaged and the filter section switch is now a blendable pot called "drip". There is also an additional pot called "wool" which adds a little thickness back to the tone. The fuzz pot is called "sting". You know what "tone" and "level" do.

The transistor footprints are for 2N5088 or any other CBE NPN silicon transistors. Try others, just mind the pinout.

Mount bypass LED flush to back (or bottom) side of the PCB. When using the PCB faceplate no LED bezel is required. Simply drill a hole in the case. The little dot in the lower left side of the drill template is the bypass LED drill hole. Drill any size from 3mm to 6mm, or 1/4 inch. Do not drill any holes in the faceplate. Light from LED will show through the asterisk in the faceplate. I recommend using a 1k resistor and any color clear LED to ensure visibility. If that's too bright you can go up to a 10k with any clear LED.

The PCB faceplate is reversible! It's completely symmetrical so each side works with the one drill guide. Just pic your style!

You will also need:

1590BB enclosure (1)

3PDT stomp switch. (1)

DC Jack. (1)

1/4" mono audio jacks. (2)
When building in a 1590BB enclosure
I recommend using phone or
Lumberg jacks found here and here.

1/4" Round shaft knobs. (5)

Ribbon Cable - 6 pin - 1" (1)

Wire

Solder

Tools

Patience

Everything you will need for this project can be found at stompboxparts.com but you can source your parts lots of other places too!

Limited white faceplate and yellow splatter painted enclosure.