

NOTE:
20, VCC, Supply input for analog functions.
Bypass VCC to AGND with a 0.1uF-10uF ceramic capacitor and as close to VCC pin as possible. (page 3)

NOTE:
12, 13, 14, 15 PGND Power ground.
Reserved one 0603 X7R ceramic capacitor (0.1uF-1uF) between PGND and AGND is needed. (page 3)

NOTE:
Making a guess on R10 PGND to GND resistor.
RL_ON VOUT-PGND RON VIN= 12V, LIN= 5V, PGND= 0, VOUT= 1A 6 mΩ
(page 5)

NOTE: Assuming no difference between AGND V. PGND

NOTE: 1µF decoupling capacitor value is a GUESS!

NOTE:
No idea if the inductor that is serial to VOUT is needed.
May depend on specific motor used, check link!

Sheet: /BLDC Motor Driver/
File: BLDC_motor_driver.kicad_sch

Title:

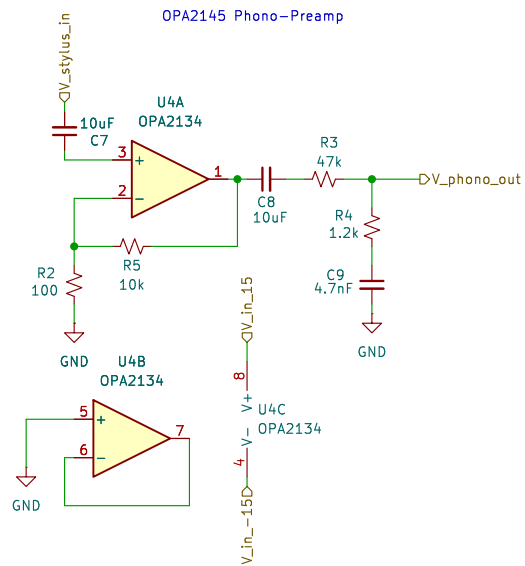
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Date:

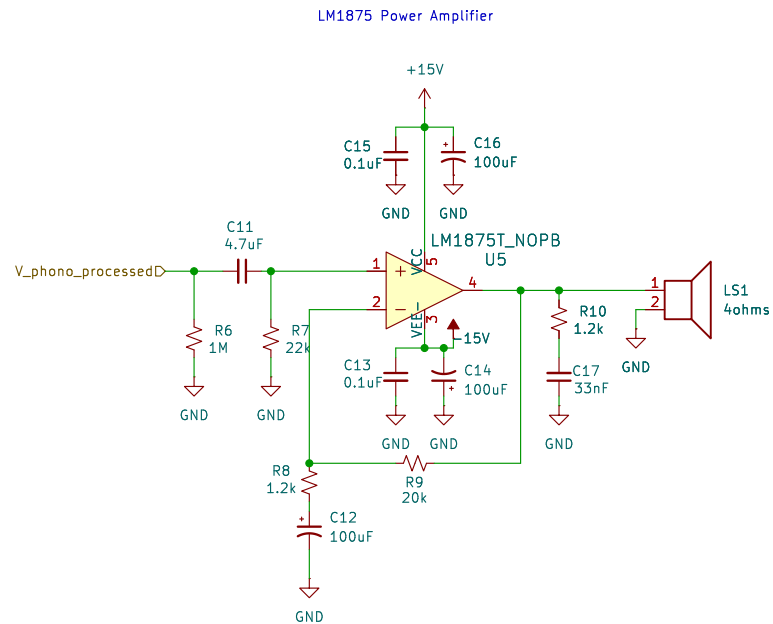
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Notes: Phono-Preamp takes a 1–5mV signal from the stylus, and amplifies it to a 0.1–0.5V signal for the power amplifier. The gain is $1 + 10k/100 = 101$.



Notes: Power Amplifier takes 0.1–0.5V signal from the Phono-Preamp and amplifies it to a voltage for the speaker.

Sheet: /Audio Amp/
File: audio_amp.kicad_sch

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