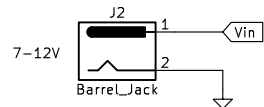
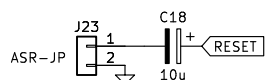


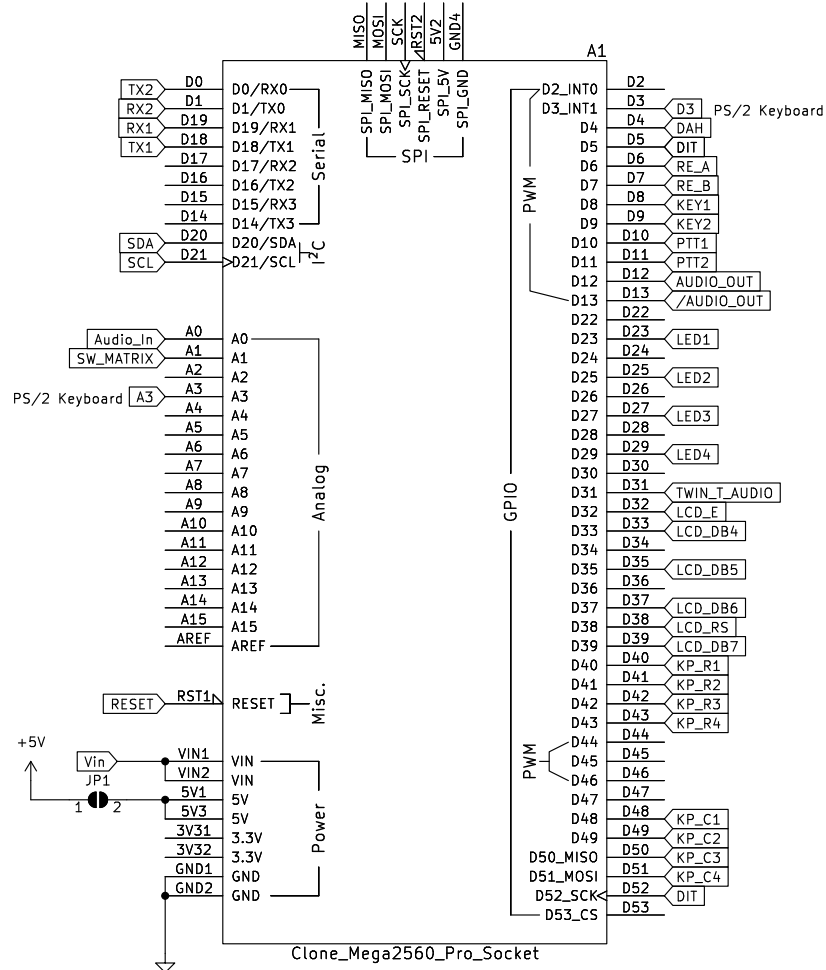
Power Input



Reset



Arduino Mega 2560 clone Microprocessor



Miscellaneous Parts
on separate sheets

Misc
File: misc.kicad_sch

Audio
File: audio.kicad_sch

EZ Electronics

Sheet: /

File: ArduinoMega2560_K3NG_Keyer_SMT.kicad_sch

Title: Arduino Mega2560 K3NG Keyer – Microprocessor

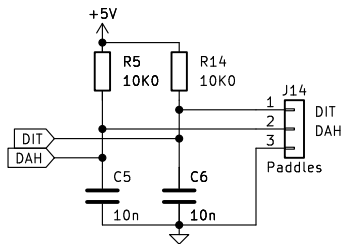
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Rev: 0.1

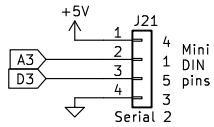
KiCad E.D.A. kicad 7.0.11-rc4-202402191806-3dedd899f7-ubuntu22.04.1d: 1/3

- Notes:
1. Closing Solder Jumper JP1 allows +5v from Arduino Mega to power the rest of the circuit.
 2. Paddle DIT also connected to D52 for Straight Key.

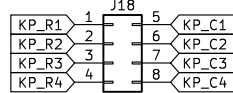
Paddle Input



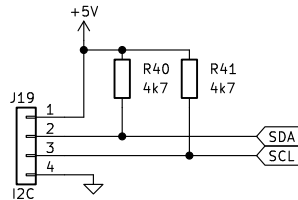
PS/2 Keyboard



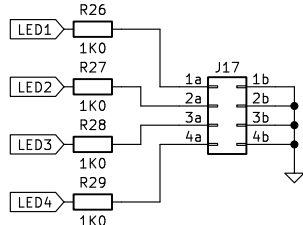
Keypad



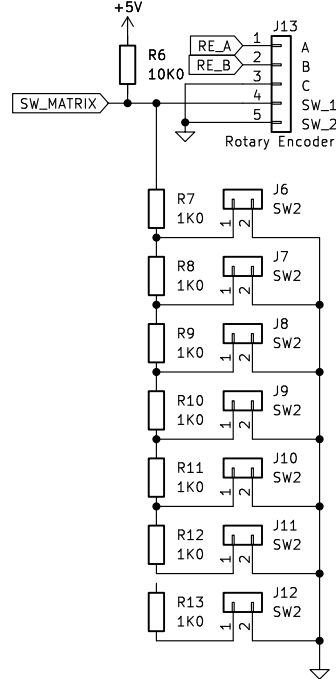
I2C



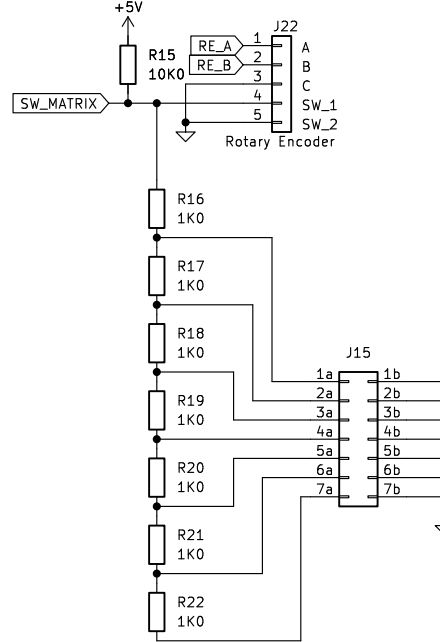
LEDs



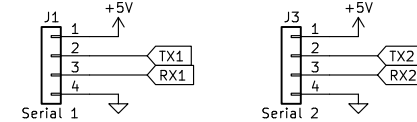
Rotary Encoder and Switches



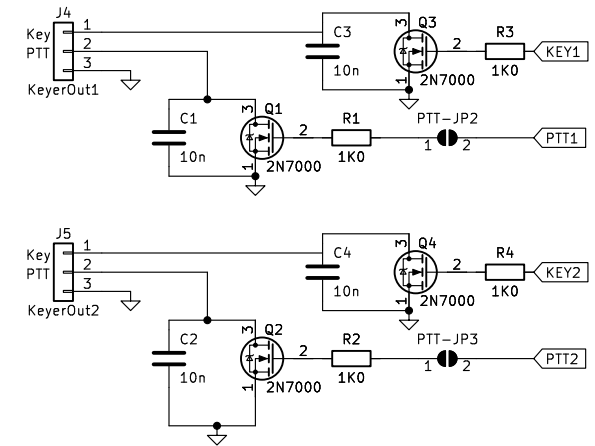
Rotary Encoder and Switches



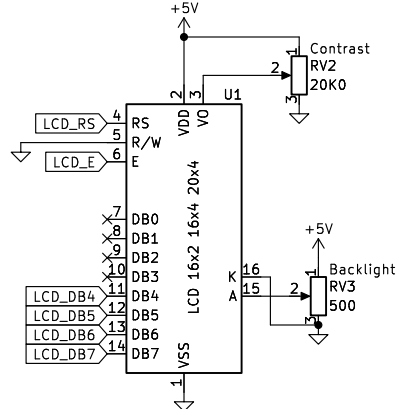
Serial Ports



Keyer Outputs



LCD



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Sheet: /Misc/
File: misc.kicad_sch

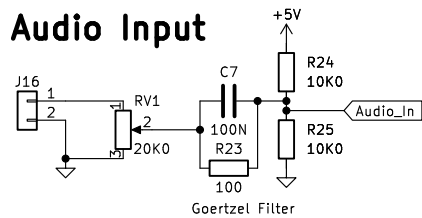
Title: Arduino Mega2560 K3NG Keyer – Miscellaneous Circuits

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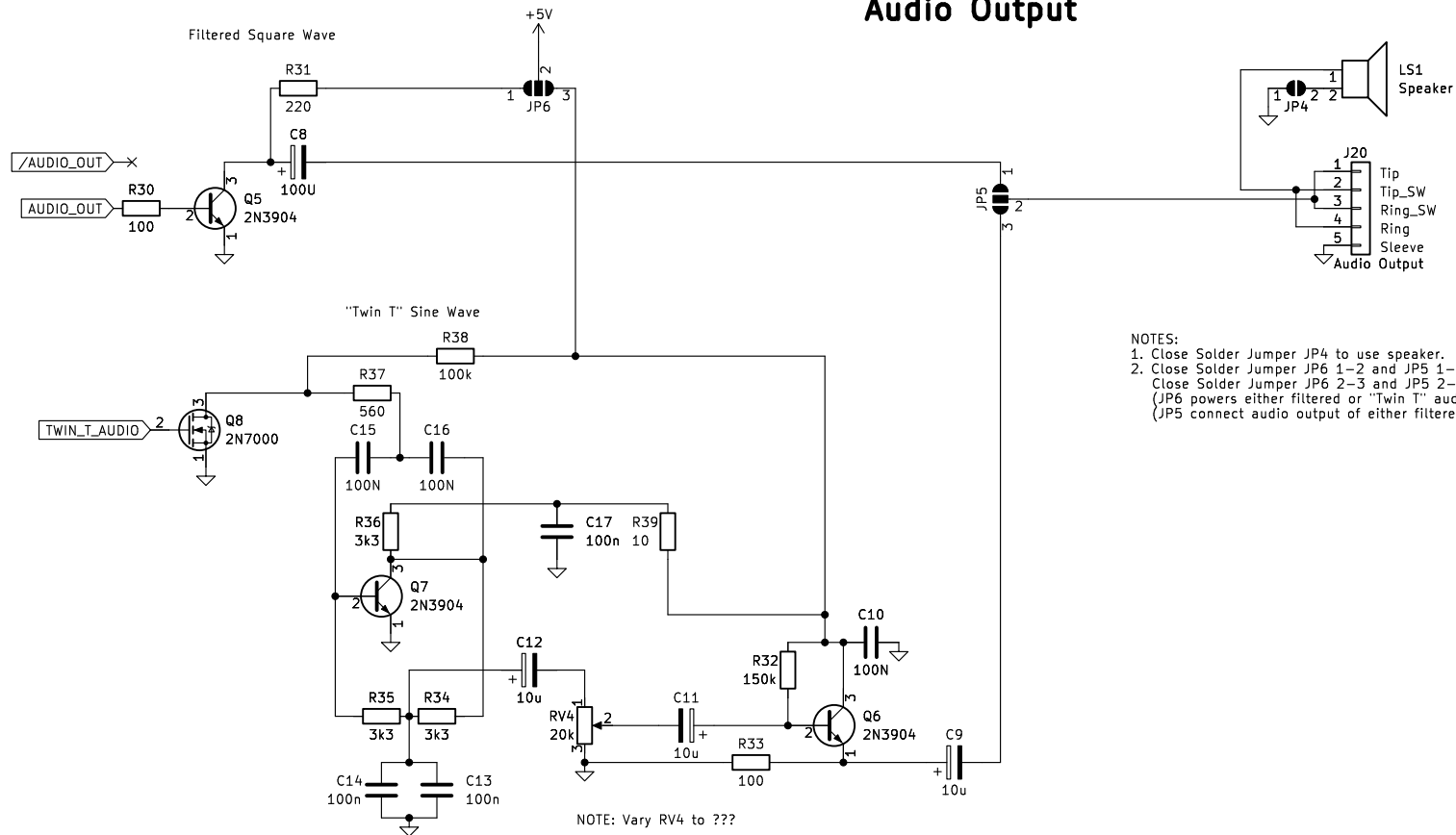
Rev: 0.1

KiCad E.D.A. kicad 7.0.11-rc4-202402191806-3dedd899f7-ubuntu22.04.1d: 2/3

Audio Input



Audio Output



- NOTES:
1. Close Solder Jumper JP4 to use speaker.
 2. Close Solder Jumper JP6 1-2 and JP5 1-2 for filtered sine wave audio output.
Close Solder Jumper JP6 2-3 and JP5 2-3 for "Twin T" sine wave audio output.
(JP6 powers either filtered or "Twin T" audio output circuits.)
(JP5 connect audio output of either filtered or "Twin T" circuit.)

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Sheet: /Audio/
File: audio.kicad_sch

Title: Arduino Mega2560 K3NG Keyer – Audio Circuits

Size: USLetter	Date: 2024-03-12
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Rev: 0.1

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