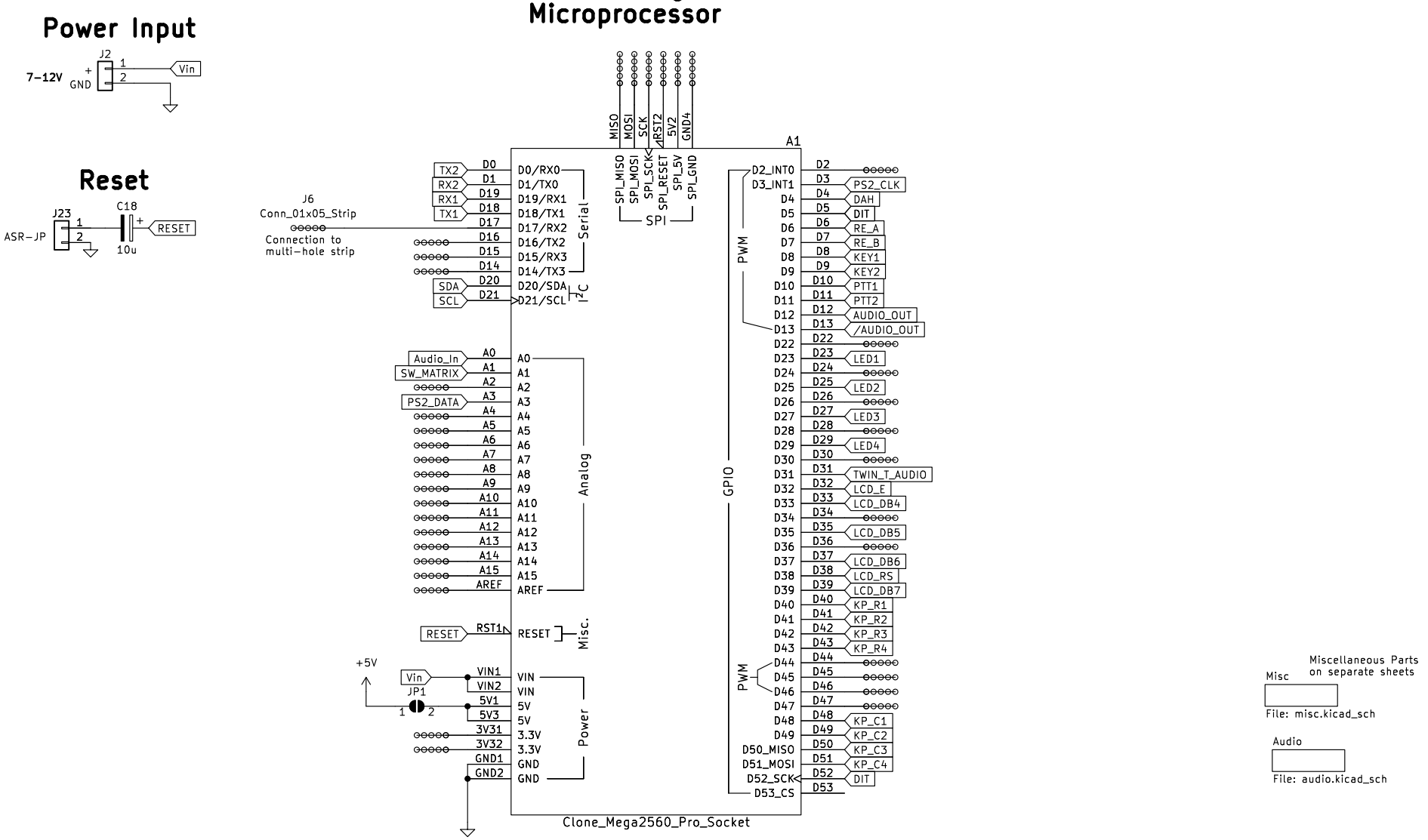
Arduino Mega 2560 clone
Microprocessor



Notes:
1. Closeing 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.

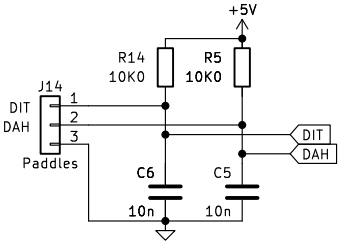
EZ Electronics

Sheet: /
File: ArduinoMega2560_K3NG_Keyer_SMT.kicad_sch

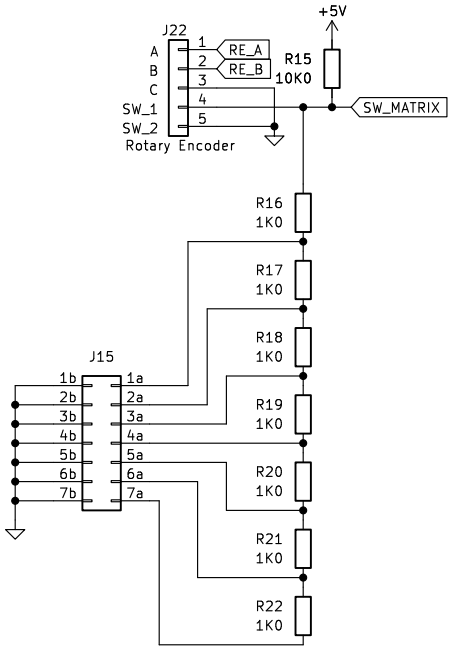
Title: Arduino Mega2560 K3NG Keyer – Microprocessor

Size: USLetter	Date: 2024–03–12	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.11~rc4–202402191806~3dedd899f7~ubuntu22.04.1	Id: 1/3	

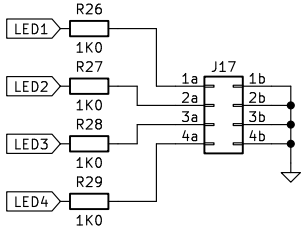
Paddle Input



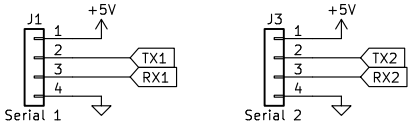
Rotary Encoder and Switches



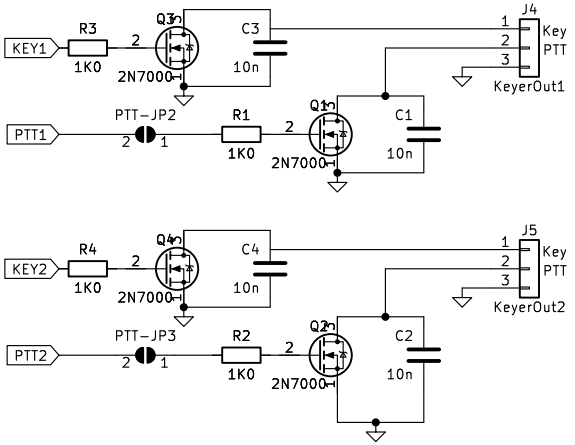
LEDs



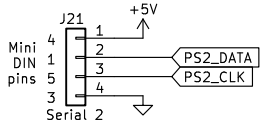
Serial Ports



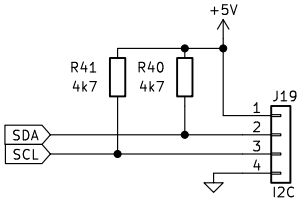
Keyer Outputs



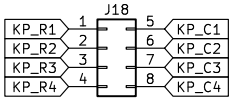
PS/2 Keyboard



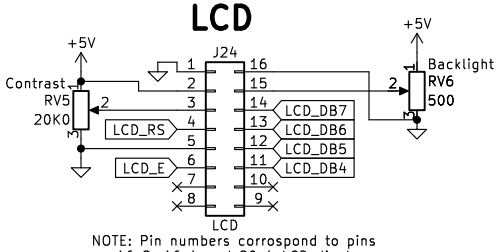
I2C



Keypad

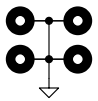


LCD



NOTE: Pin numbers corrospond to pins on 16x2, 16x4 and 20x4 LCD displays.

Mounting Holes



EZ Electronics		
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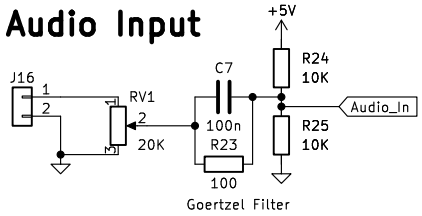
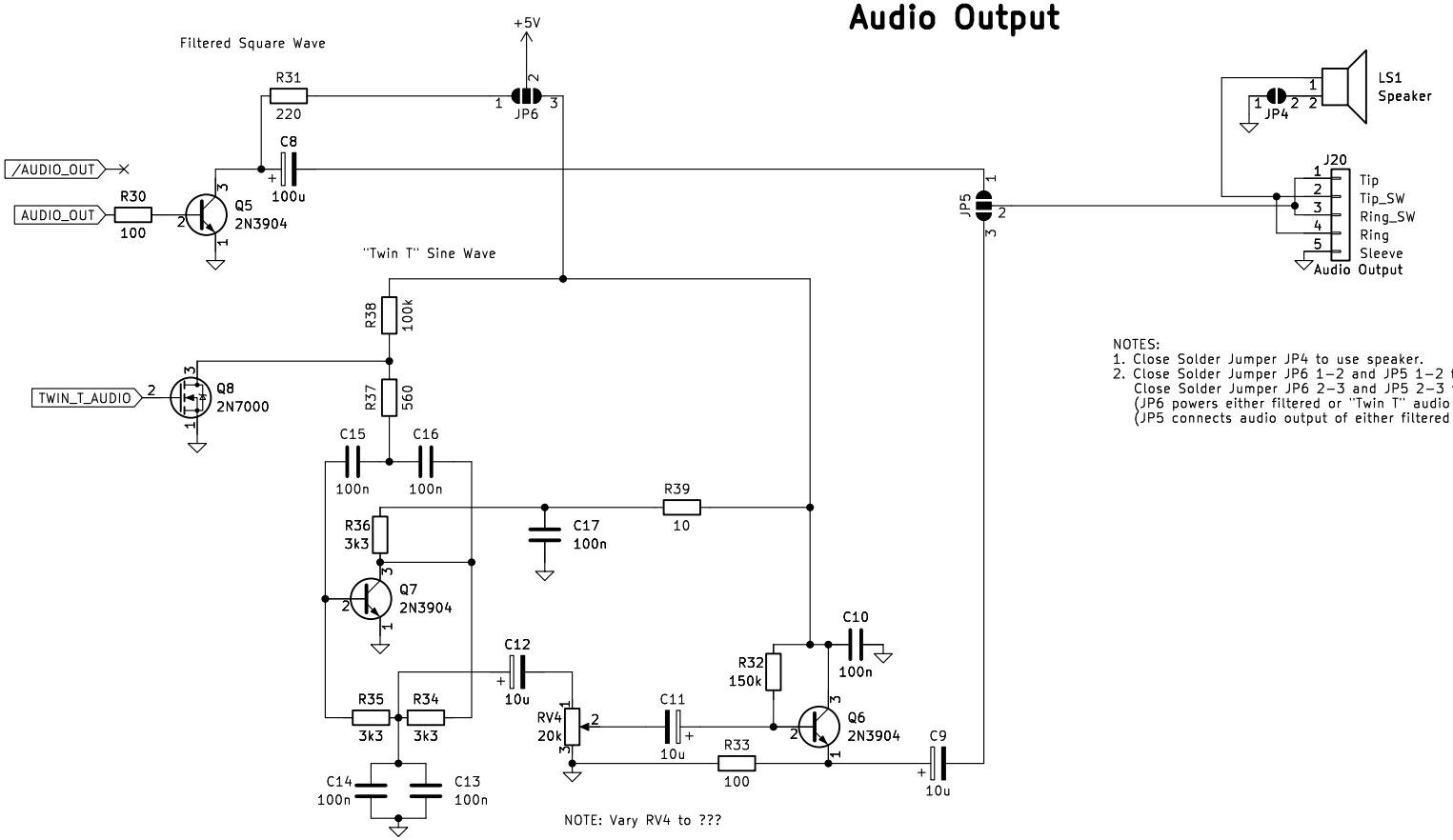
Size: USLetter	Date: 2024-03-12	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.11-rc4-202402191806-3dedd899f7-ubuntu22.04.1		Id: 2/3

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 connects audio output of either filtered or "Twin T" circuit.)

EZ Electronics		
Sheet: /Audio/		
File: audio.kicad_sch		
Title: Arduino Mega2560 K3NG Keyer – Audio Circuits		
Size: USLetter	Date: 2024-03-12	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.11-rc4-202402191806-3dedd899f7-ubuntu22.04.1	Id: 3/3	