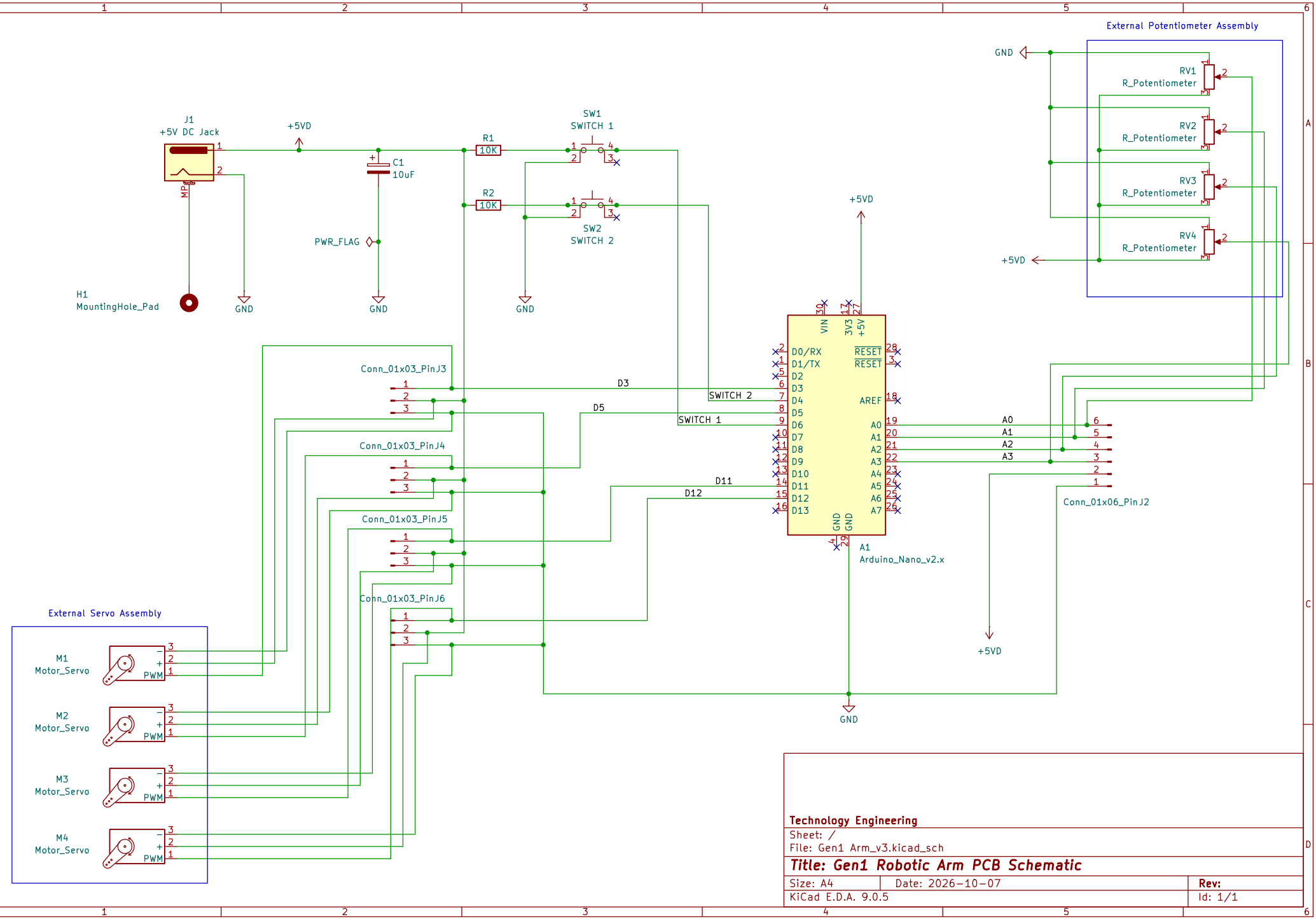

External Potentiometer Assembly
GND
RV1
R_Potentiometer
RV2
R_Potentiometer
RV3
R_Potentiometer
RV4
R_Potentiometer
+5VD
J1
+5V DC Jack
+5VD
C1
10uF
R1
10K
SW1
SWITCH 1
R2
10K
SW2
SWITCH 2
PWR_FLAG
GND
GND
GND
H1
MountingHole_Pad
+5VD
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
GND
GND
A1
Arduino_Nano_v2.x
SWITCH 2
SWITCH 1
D3
D5
D11
D12
Conn_01x03_PinJ3
Conn_01x03_PinJ4
Conn_01x03_PinJ5
Conn_01x03_PinJ6
A0
A1
A2
A3
Conn_01x06_PinJ2
+5VD
GND
External Servo Assembly
M1
Motor_Servo
M2
Motor_Servo
M3
Motor_Servo
M4
Motor_Servo
PWM
Technology Engineering
Sheet: /
File: Gen1 Arm_v3.kicad_sch
Title: Gen1 Robotic Arm PCB Schematic
Size: A4
Date: 2026-10-07
Rev:
KiCad E.D.A. 9.0.5
Id: 1/1