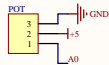
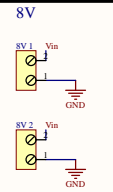
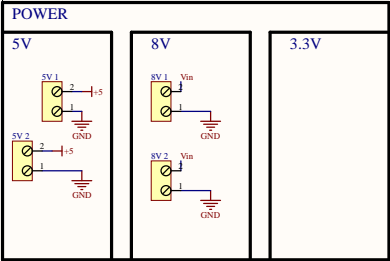
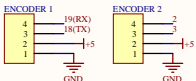


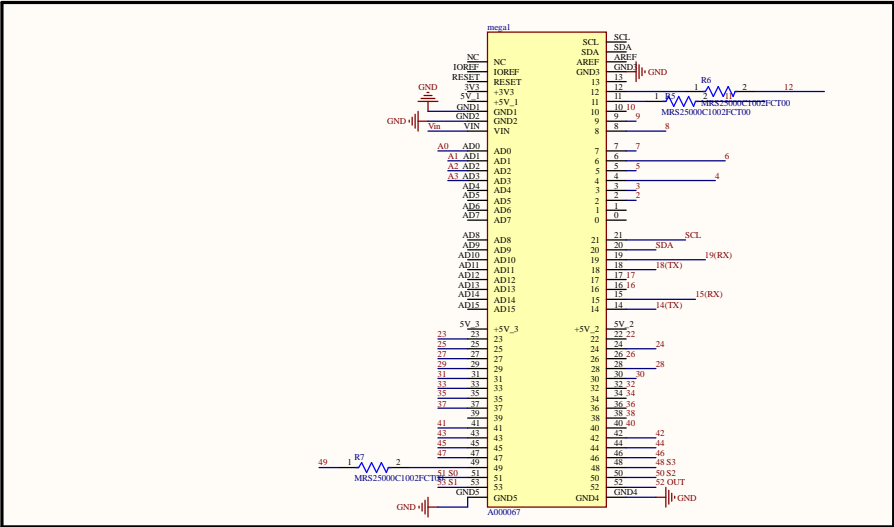
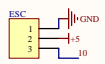
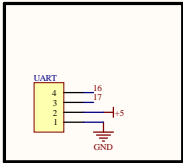
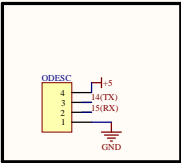
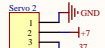
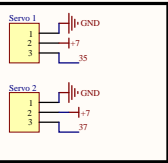
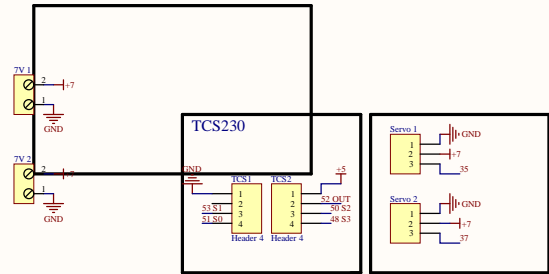
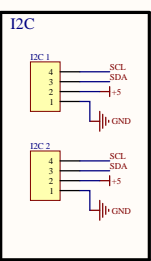
POT



Encoder



3.3V



Title		
Size	Number	Revision
A2		
Date:	10/09/2025	Sheet of
File:	D:\Alfium\MECHANISM FINAL PCB\meqal	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
2-pin-connector		5V 1, 5V 2, 7V 1, 7V 2, 8V 1, 8V 2	HDR1X2	2-pin-connector	6
Header 4	Header, 4-Pin	ENCODER 1, ENCODER 2, I2C 1, I2C 2, ODESC, TCS1, TCS2, UART	HDR1X4	Header 4	8
Header 3	Header, 3-Pin	ESC, IR 1, IR 2, IR 3, IR 4, IR 5, IR 6, IR 7, IR 8, IR 9, LED 1, LED 2, LED 3, LS 1, LS 2, LS 3, LS 4, POT, SE 1, SE 2, SE 3, SE 4, Servo 1, Servo 2	HDR1X3	Header 3	24
A000067	Arduino Mega 2560 Rev3. ATmega2560 Microcontroller Mega Development Board 16MHz CPU 8KB RAM 4KB/256KB EEPROM/Flash	mega1	ARDUINO_A000067	CMP-017-000000-1	1
MRS25000C1000FRP0 0	MRS25000C1000FRP0 0 Resistor, 100 Ohm, \pm 1%, 600 mW, Axial Leaded, Metal Film (Thin Film), Professional	R1	FP-MRS25-MFG	CMP-00030-42757237- 1	1
MRS25000C1002FCT0 0	MRS25000C1002FCT0 0 Resistor, 10 kOhm, \pm 1%, 600 mW, Axial Leaded, Metal Film (Thin Film), Professional	R2, R3, R4, R5, R6, R7	FP-MRS25-MFG	CMP-00030-42632392- 1	6
Header 5	Header, 5-Pin	SE 5	HDR1X5	Header 5	1