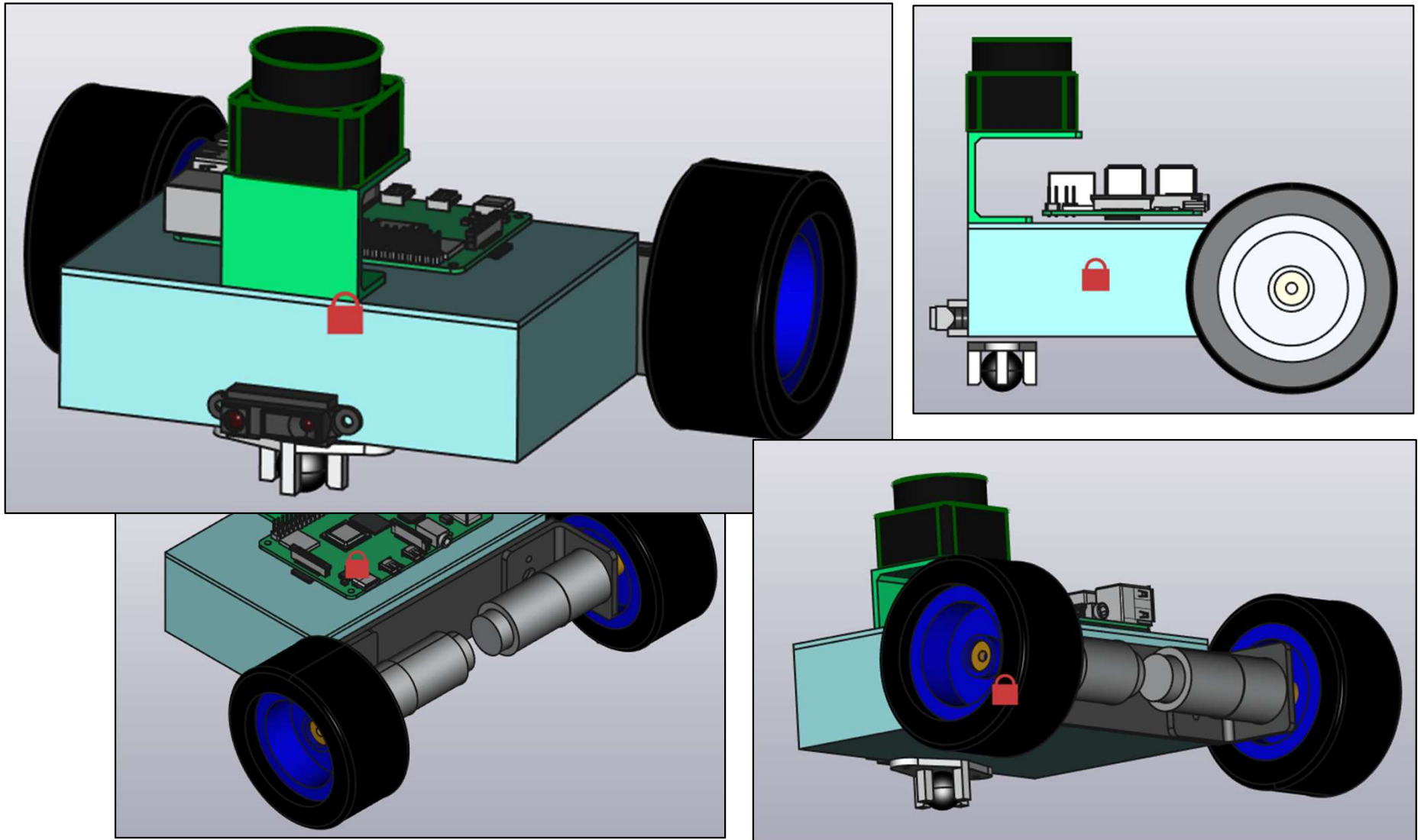
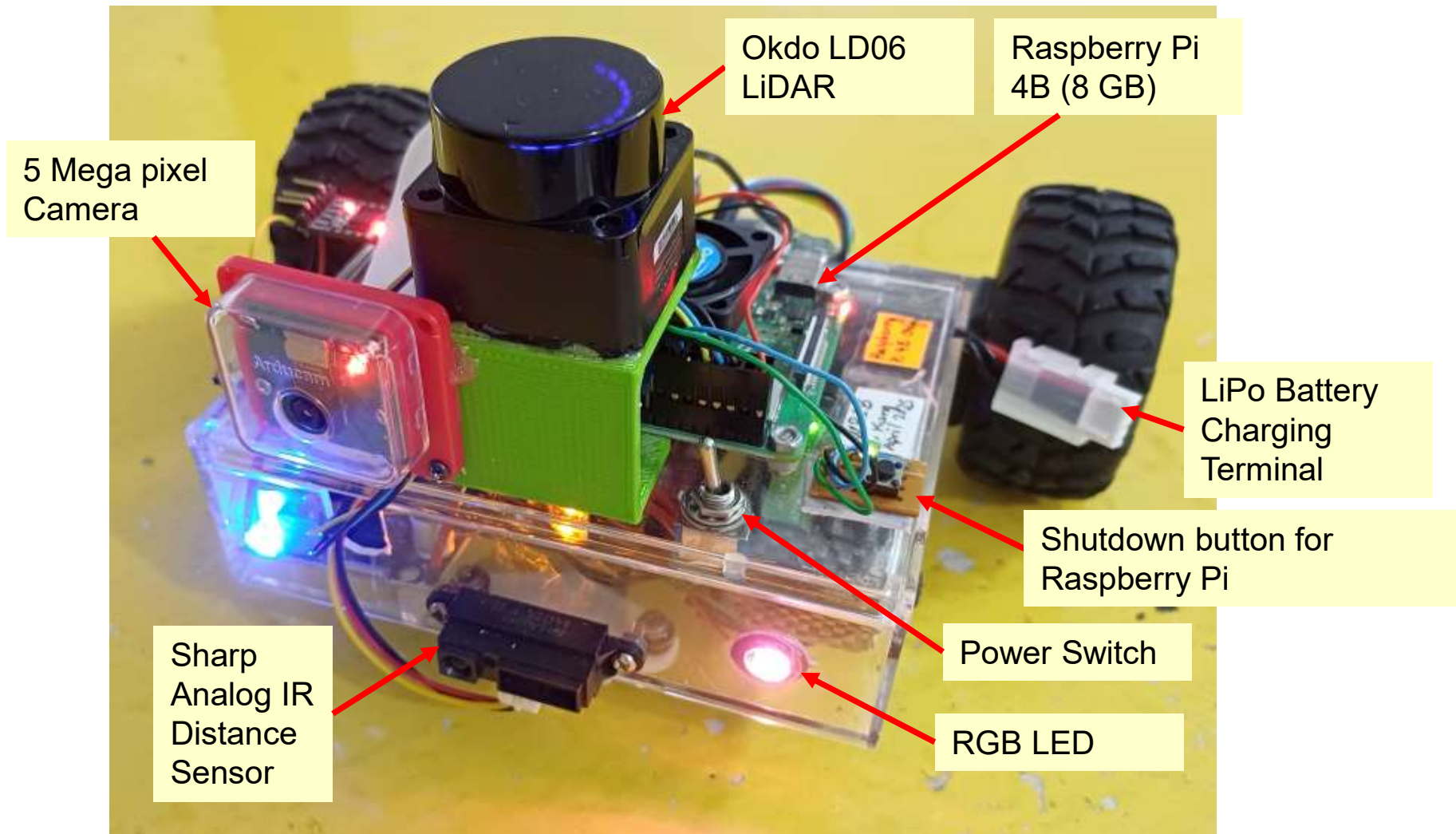
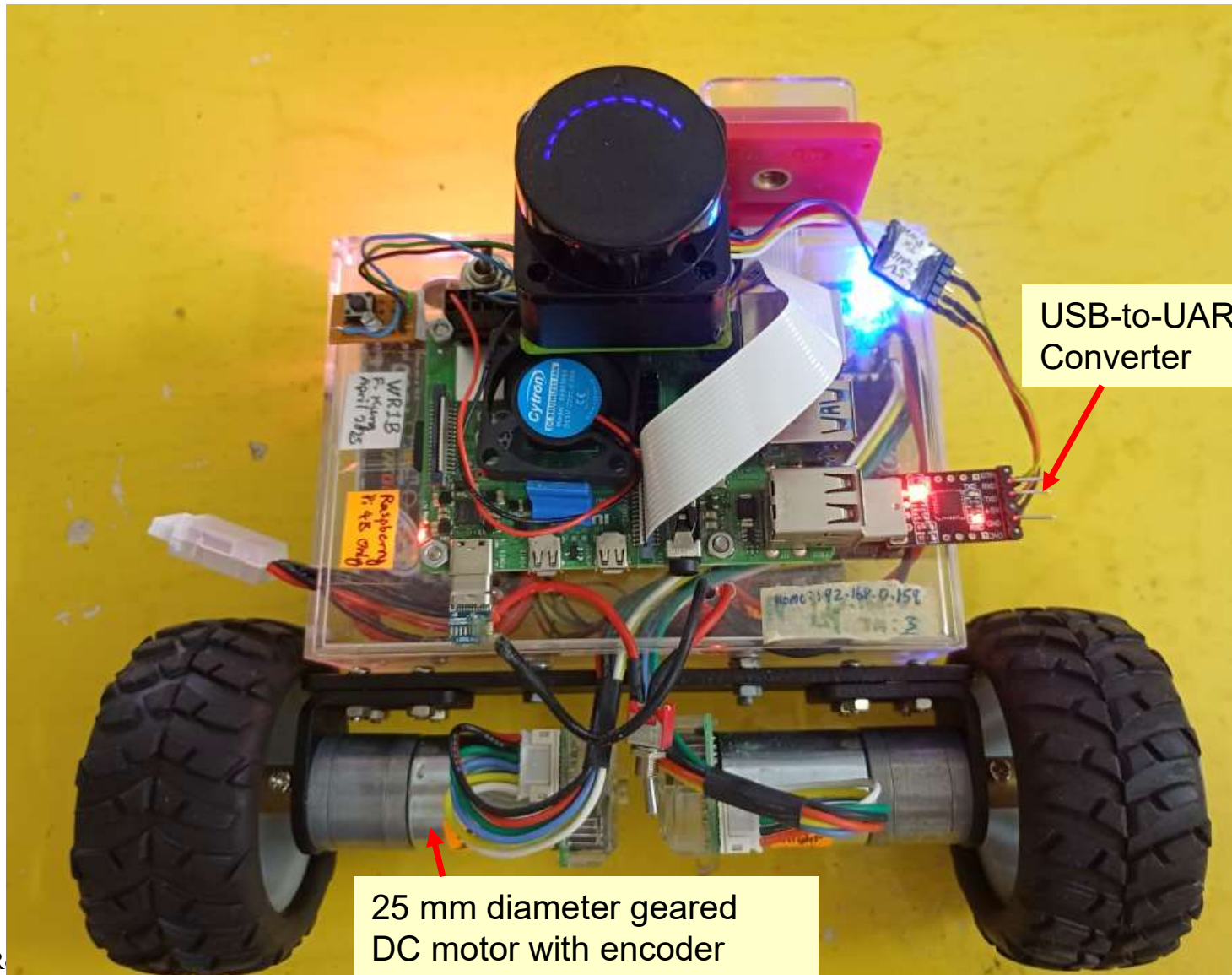


# CAD Design Using FreeCAD V1.0.0



# Wheel Robot Platform – WR1B



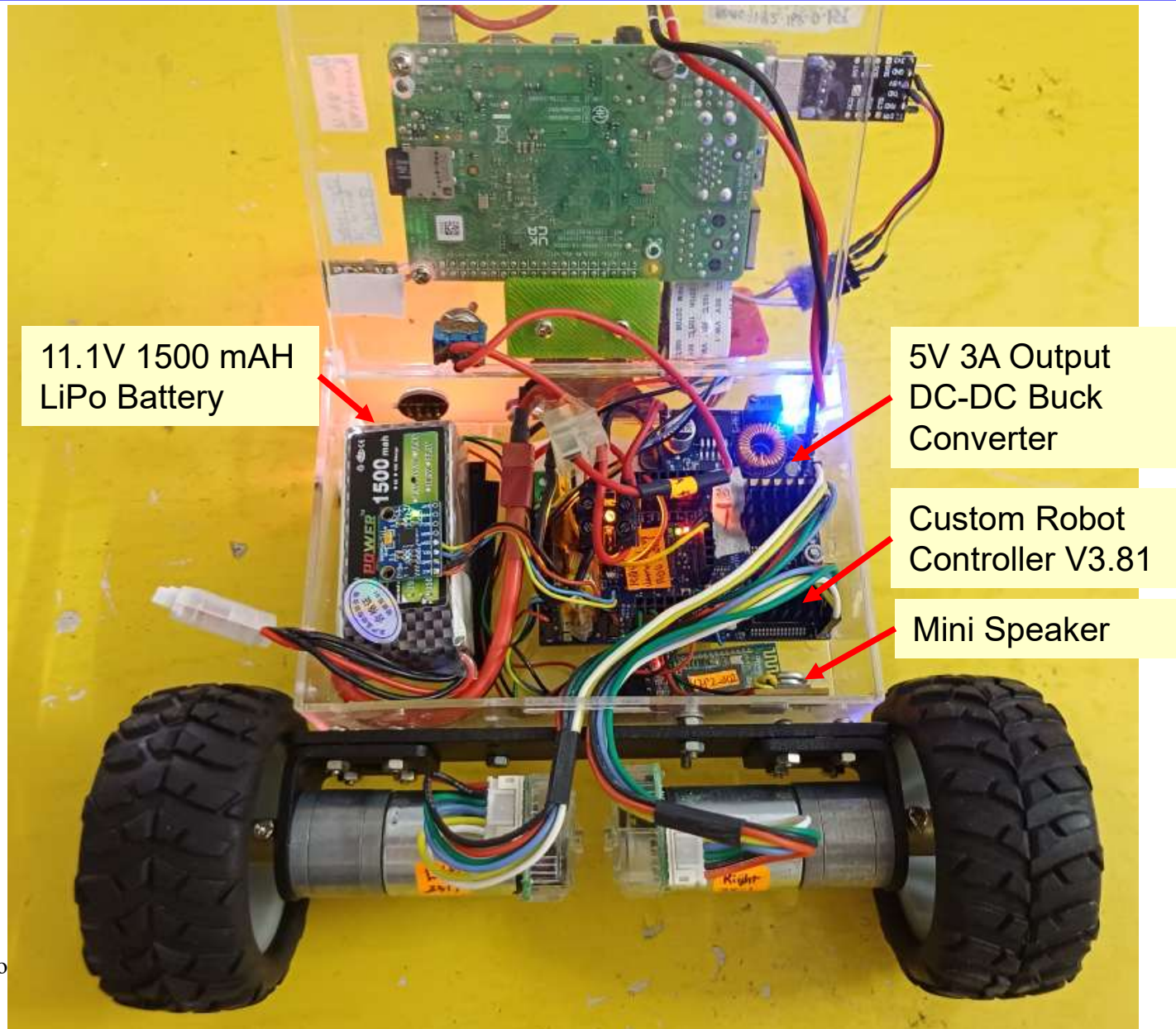


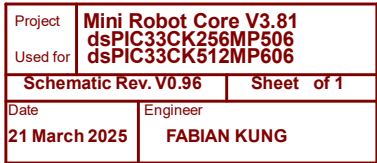
USB-to-UART  
Converter

25 mm diameter geared  
DC motor with encoder

Wheel R

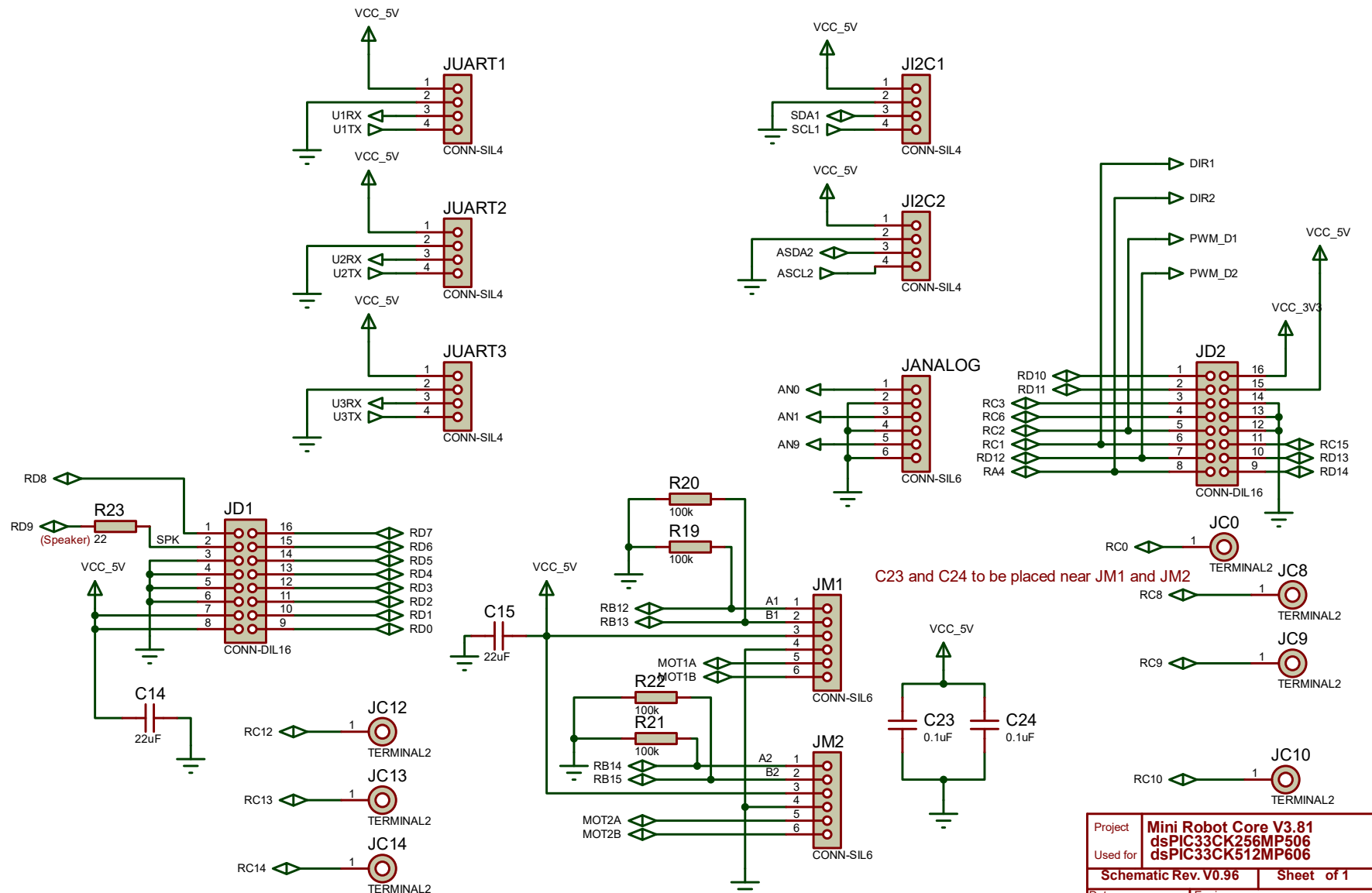






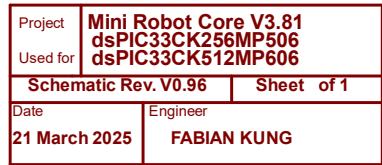
# Schematic of Robot Controller (V3.81)

## – I/O Ports Connections

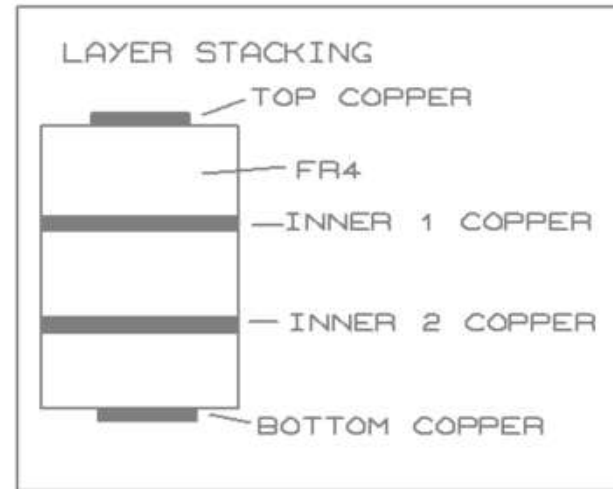
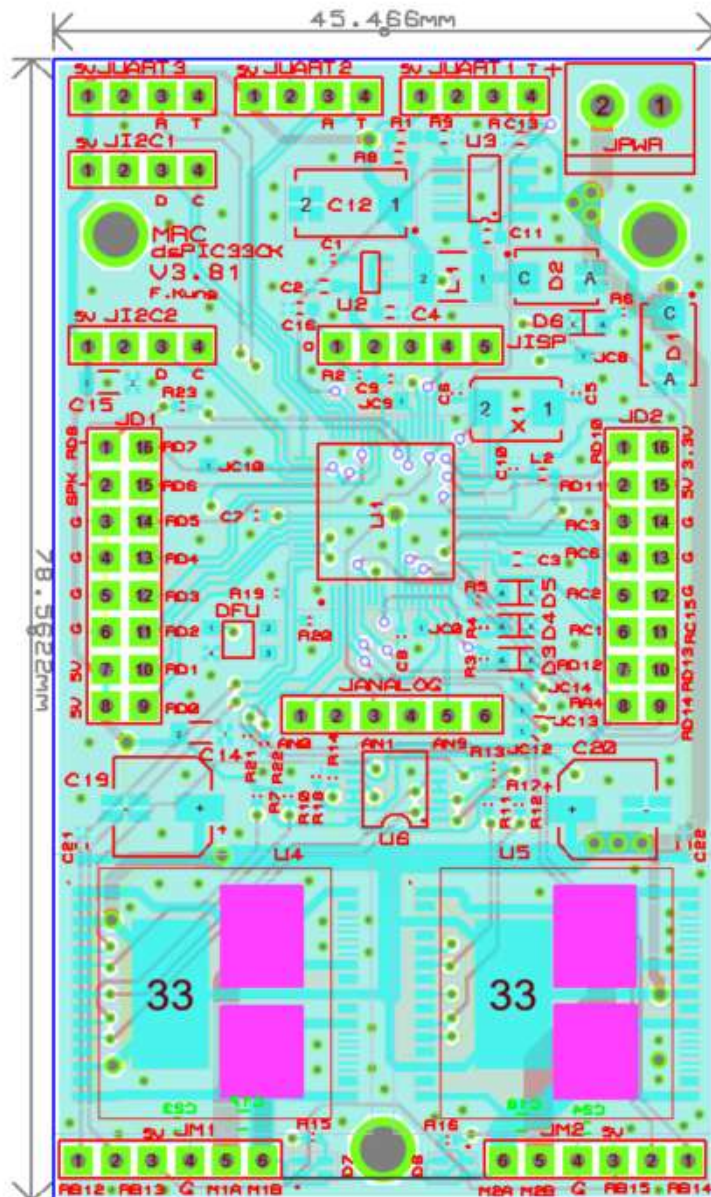


Project	Mini Robot Core V3.81		
Used for	dsPIC33CK256MP506		
Schematic Rev. V0.96		Sheet of 1	
Date	Engineer		
21 March 2025	FABIAN KUNG		

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# PCB Artwork of Robot Controller (V3.81)





# Wiring Diagram

