

Physical Construction

MPU6050
Accelerometer/Gyro
scope (GY-521)



This side faces
the front of robot

HC-05
Bluetooth
Module

11.1V 3S
LiPo
Battery

dsPIC33EP256MU806
Board

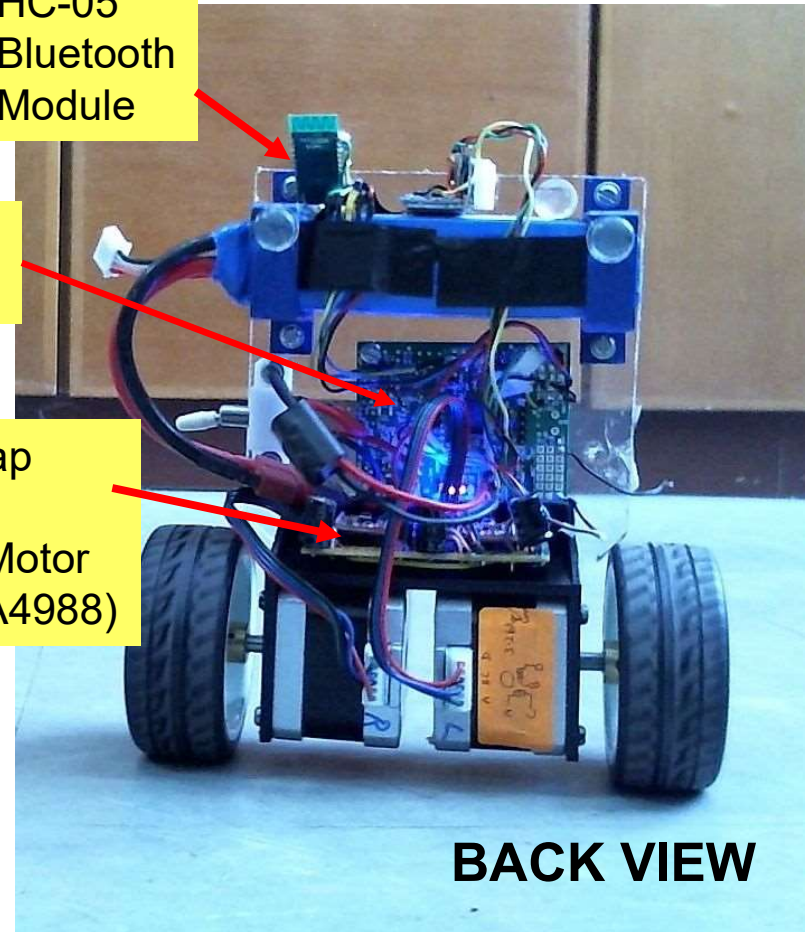
Right
Wheel

2x RepRap
StepStick
Stepper Motor
Drivers (A4988)

Left
Wheel

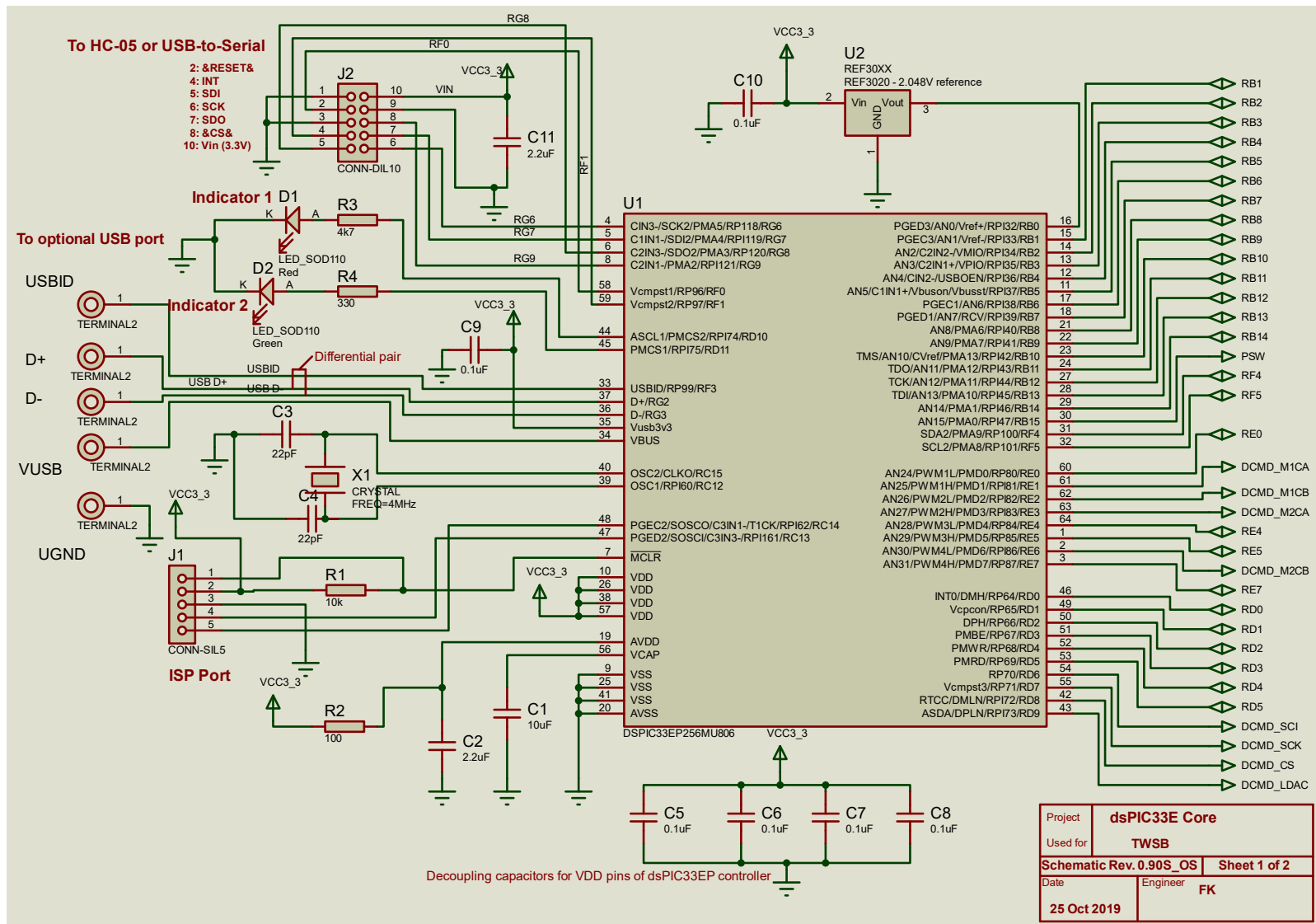
2x NEMA 17
Stepper Motor

FRONT VIEW



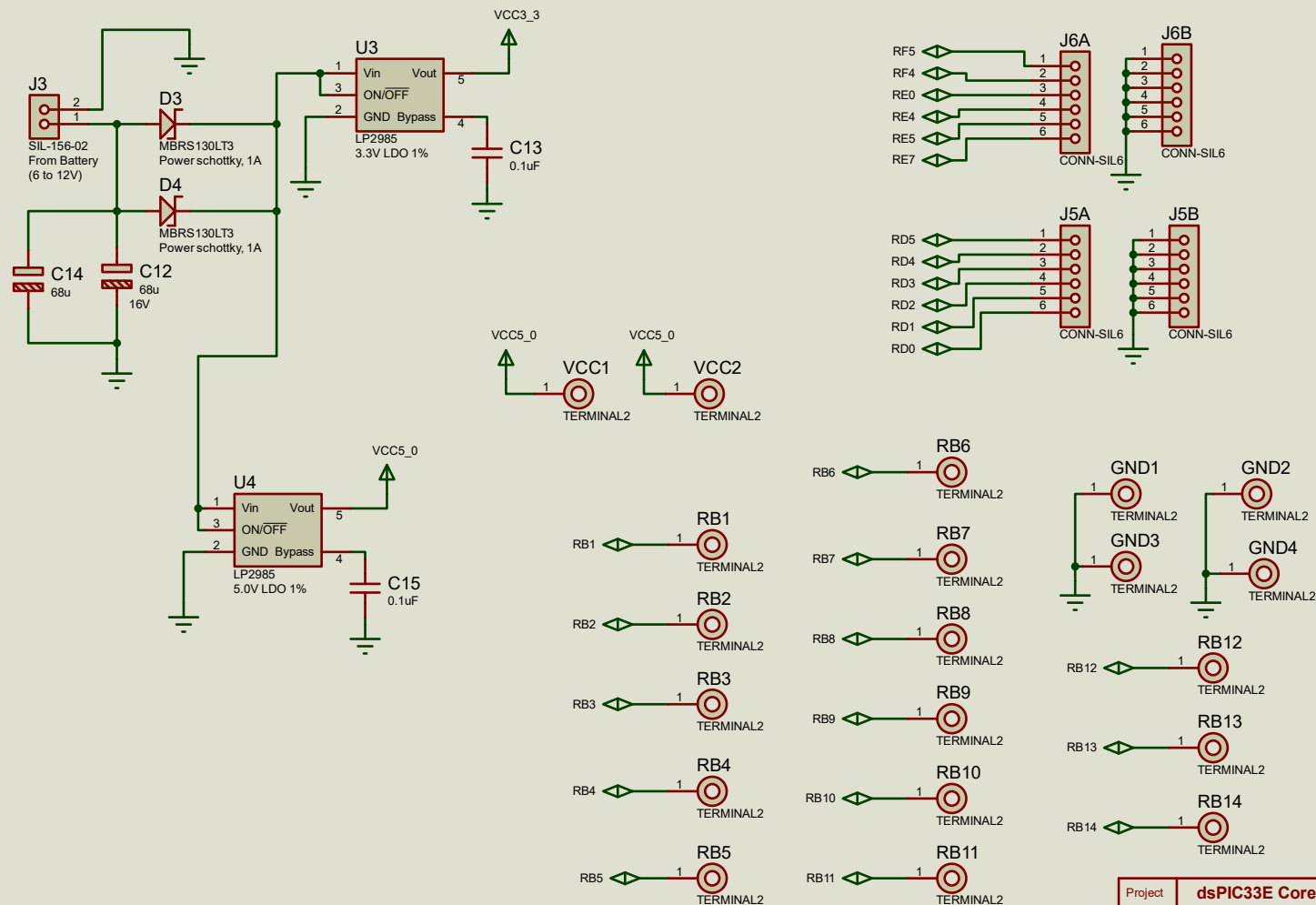
BACK VIEW

dsPIC33EP256MU806 Board (1)



Project	dsPIC33E Core	
Used for	TWSB	
Schematic Rev.	0.90S_OS	Sheet 1 of 2
Date	25 Oct 2019	Engineer FK

dsPIC33EP256MU806 Board (2)



Project	dsPIC33E Core		
Used for	TWSB		
Schematic Rev. 0.90S_OS		Sheet 2 of 2	
Date	25 Oct 2019	Engineer	FK

