

DIY ROBOT

SCHEMATICS

Attached are the schematic drawings of the DIY Robot. These schematics are considered references and a supplement to the wiring instructions. The DIY Robot Power Supplies gives the circuits to wire up the 3 Volt power supply and the 5 volt power supply, where to connect the 9 Volt Battery, and the pin-out for the three switches. The DIY Robot Controls gives the control circuits for the Robot, with pin-outs for the Mega 2560, the HC-SR04, the TB6612FNG speed controllers, the Opto-Sensors, and the radio transceiver nRF24L01, and the 6 Volt Battery and on/off Switch. The DIY Robot Whoop-Whoop Schematic just shows how the Whoop-Whoop Circuit works and the pin-out for Relay 1.

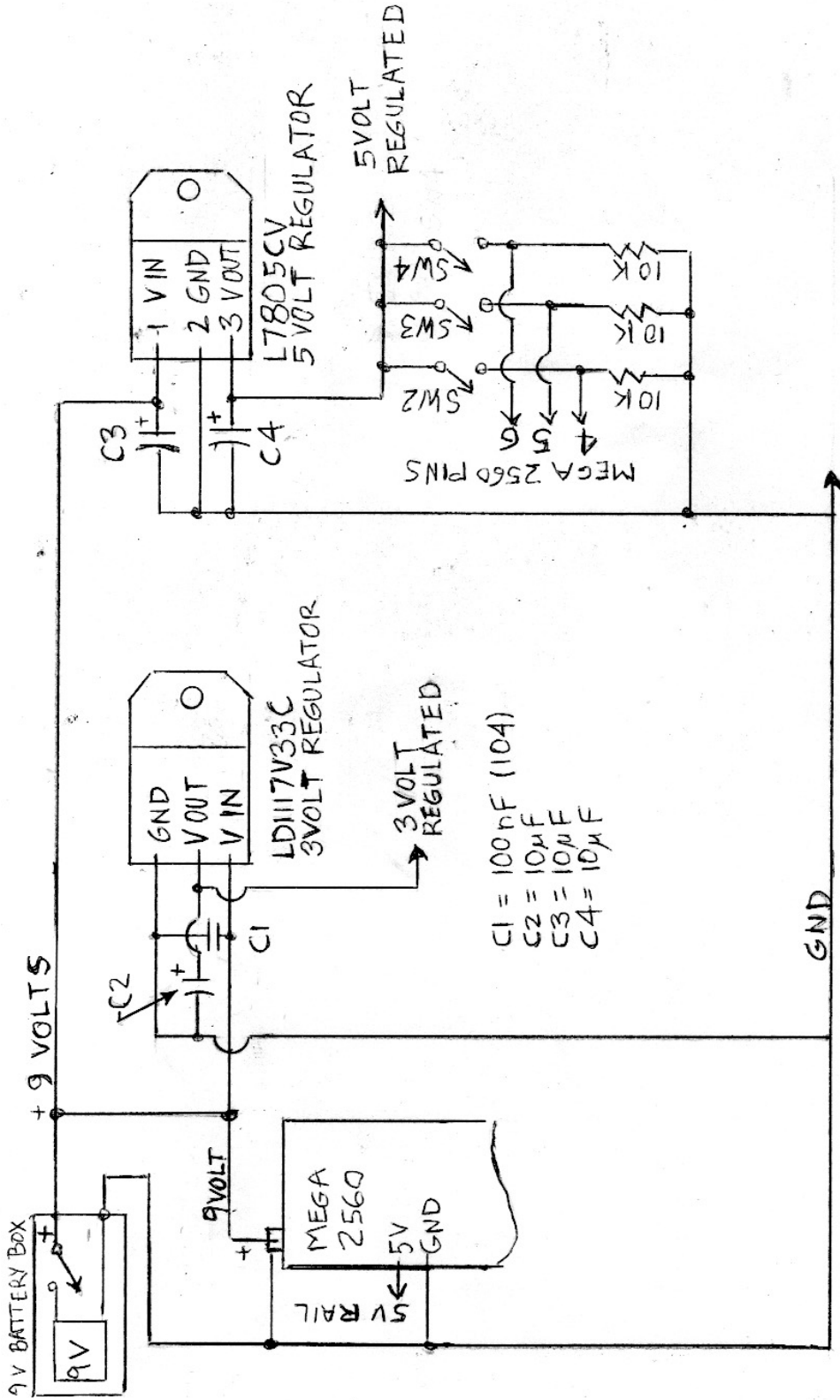
These are not really required to wire up your robot, but they can be if you want to follow along with the schematic as you wire the robot.

Schematics:

DIY Robot Power Supplies

DIY Robot Controls

DIY Robot Whoop Whoop Circuit

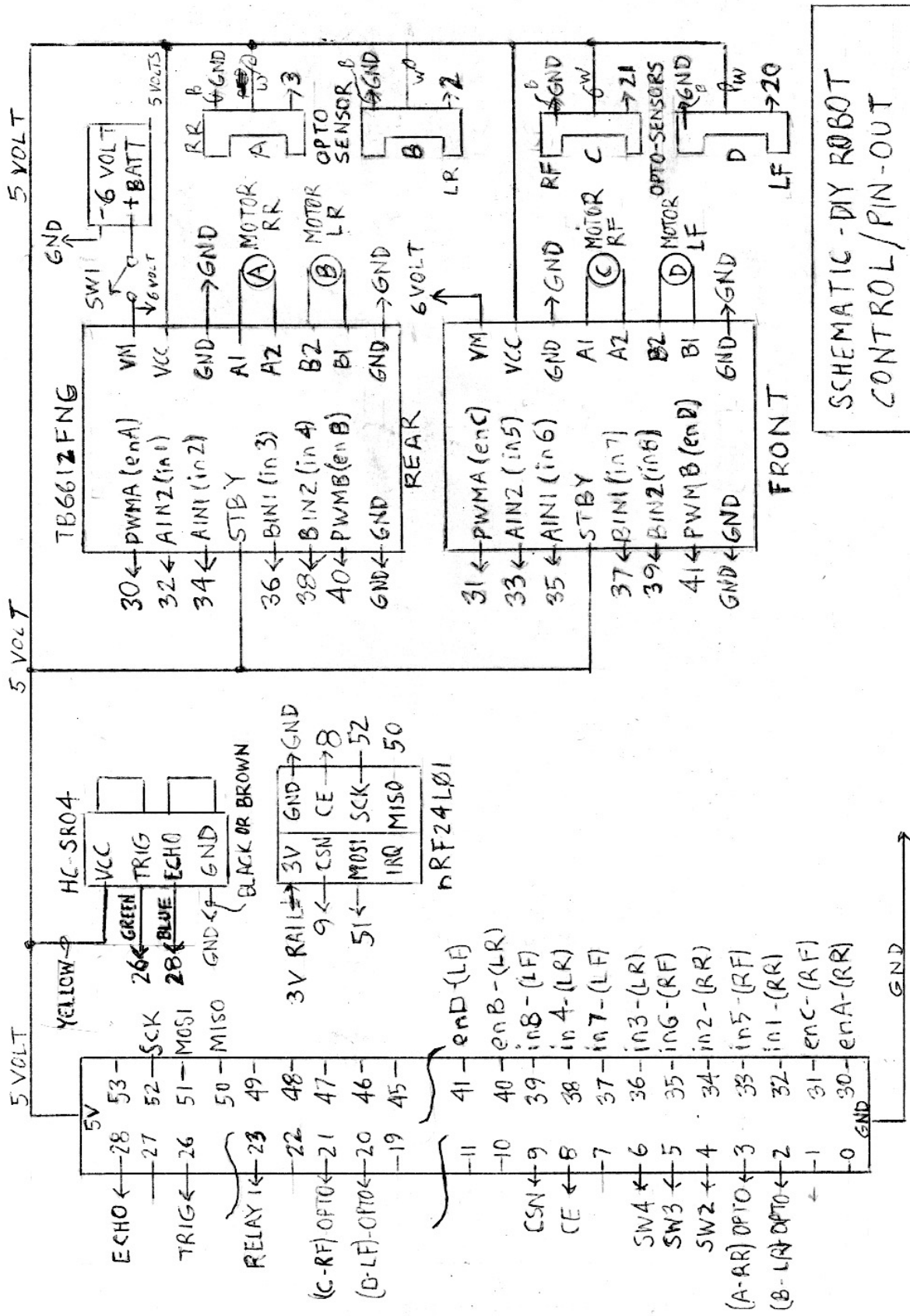


SCHEMATIC - DIY ROBOT
POWER SUPPLIES

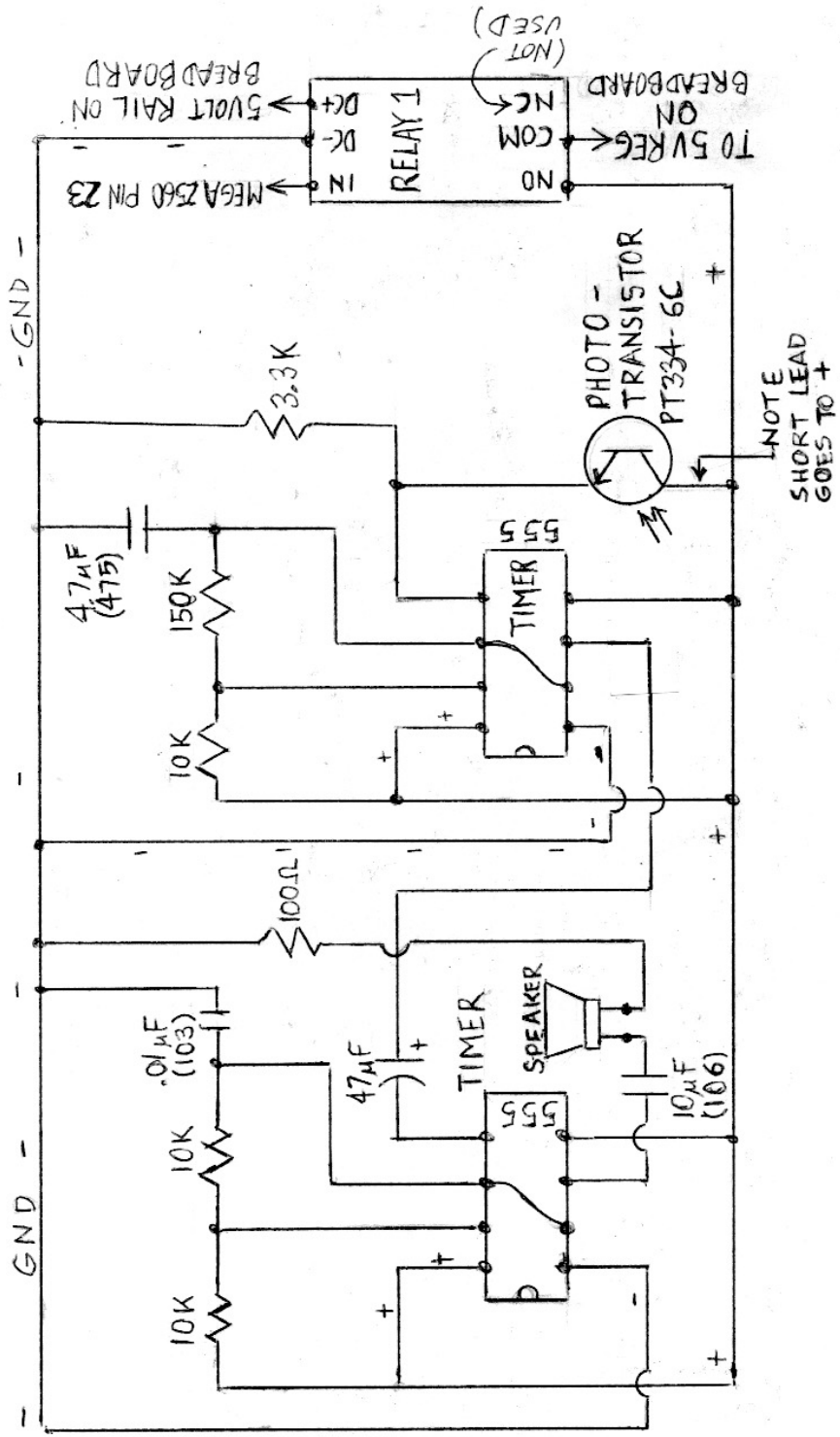
DUNDEE
VI BORAS

DRAWN BY
ANDERSON

02/24/21



SCHEMATIC - DIY ROBOT CONTROL/PIN-OUT		
DUNDEE VI-BORGES	DRAWN BY ANDERSON	REV 0
	DATE 02/24/21	



DIY ROBOT - SCHEMATIC		DATE	REV
WHOOOP - WHOOOP CIRCUIT		2/2/21	0
DUNDEE	DRAWN BY	ANDERSON	
VI-BORGS			

