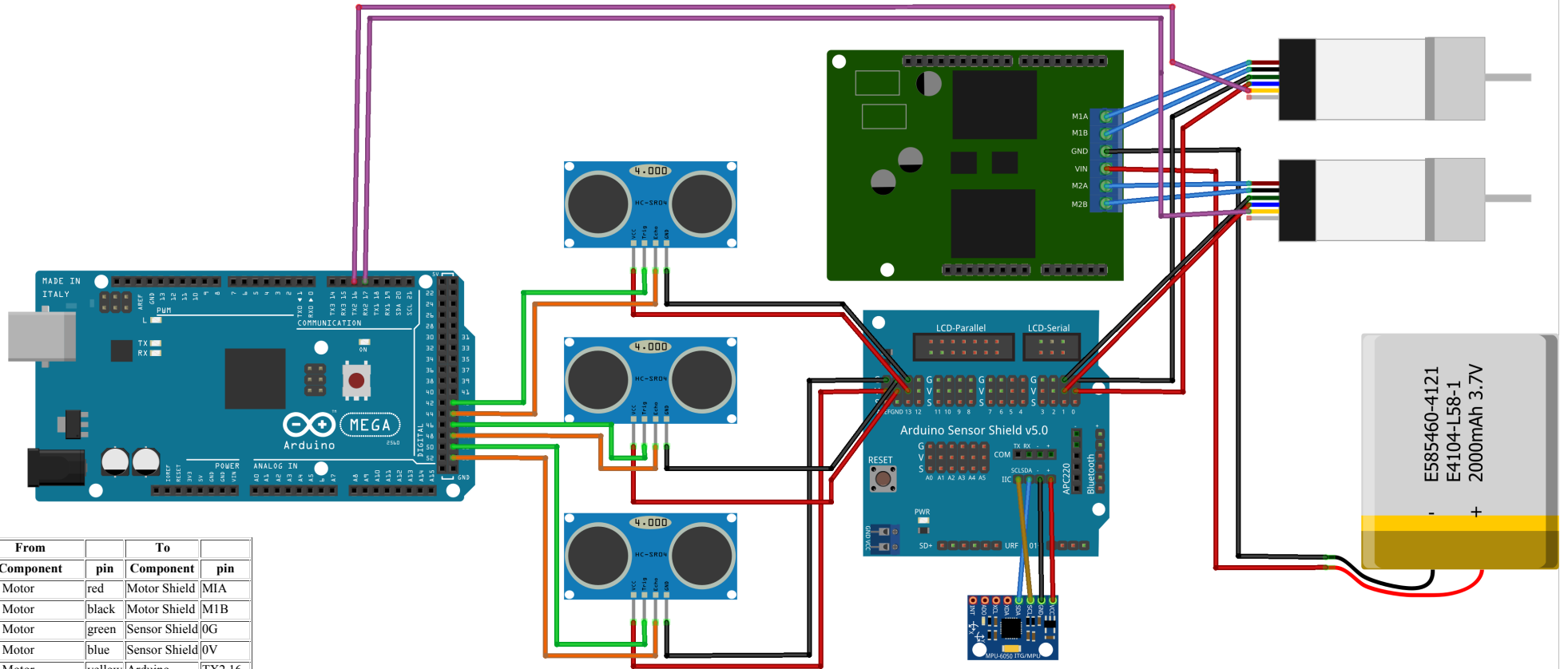


# Wiring

Use the diagram and table below to wire Arduino components of the 'Jet' robot.



From		To	
Component	pin	Component	pin
Left Motor	red	Motor Shield	M1A
Left Motor	black	Motor Shield	M1B
Left Motor	green	Sensor Shield	0G
Left Motor	blue	Sensor Shield	0V
Left Motor	yellow	Arduino	TX2 16
Right Motor	red	Motor Shield	M2A
Right Motor	black	Motor Shield	M2B
Right Motor	green	Sensor Shield	1G
Right Motor	blue	Sensor Shield	1V
Right Motor	yellow	Arduino	TX2 17
Left Sonar Sensor	VCC	Sensor Shield	13V
Left Sonar Sensor	Trig	Arduino	43
Left Sonar Sensor	Echo	Arduino	45
Left Sonar Sensor	GND	Sensor Shield	13G
Center Sonar Sensor	VCC	Sensor Shield	GND-V
Center Sonar Sensor	Trig	Arduino	47
Center Sonar Sensor	Echo	Arduino	49
Center Sonar Sensor	GND	Sensor Shield	GND-G
Right Sonar Sensor	VCC	Sensor Shield	AREF-V
Right Sonar Sensor	Trig	Arduino	51
Right Sonar Sensor	Echo	Arduino	53
Right Sonar Sensor	GND	Sensor Shield	AREF-G
Battery	+	Motor Shield	VIN
Battery	-	Motor Shield	GND
MPU	VCC	Sensor Shield	IIC +
MPU	GND	Sensor Shield	IIC -
MPU	SCL	Sensor Shield	IIC-SCL
MPU	SDA	Sensor Shield	IIC-SDA