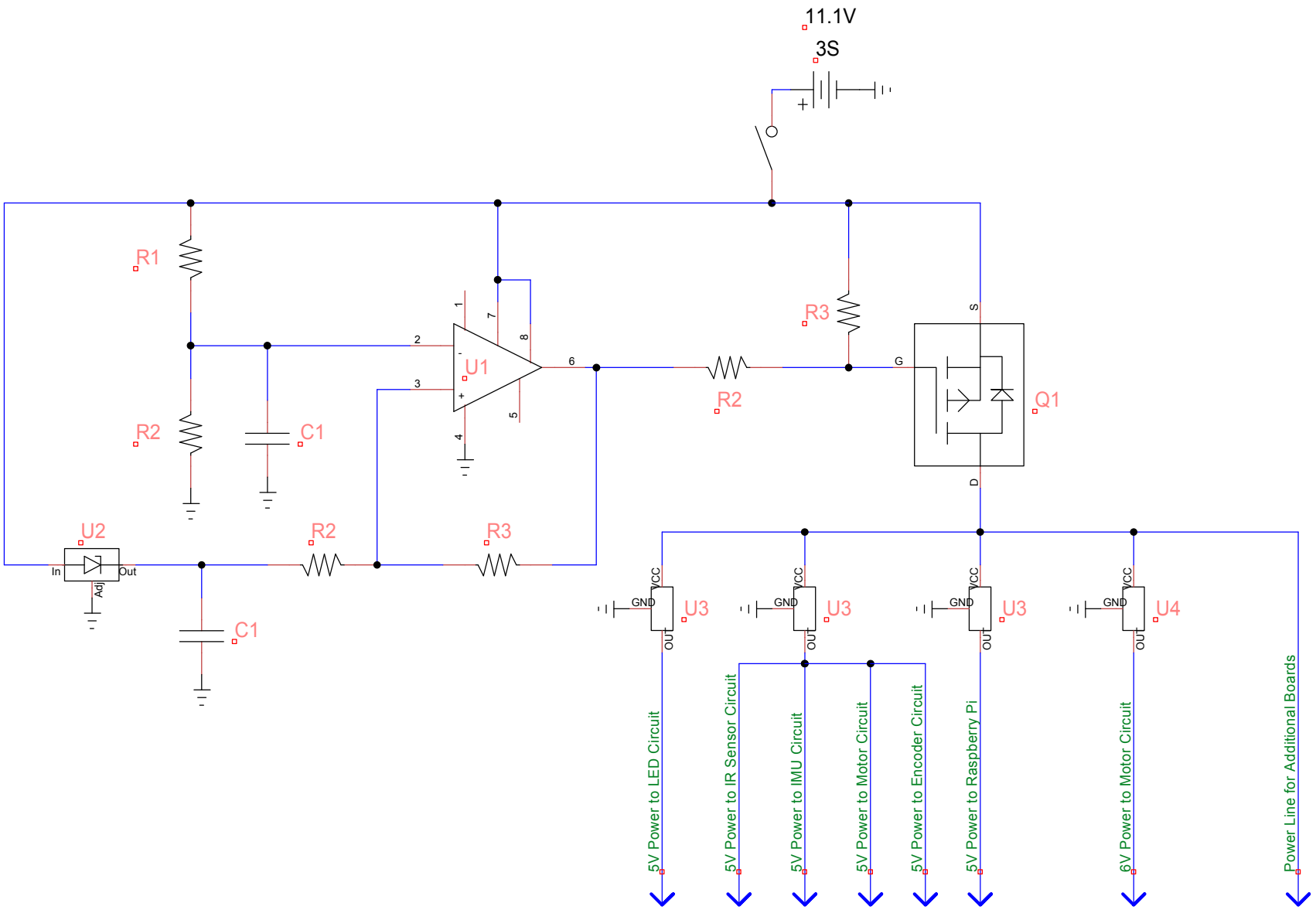


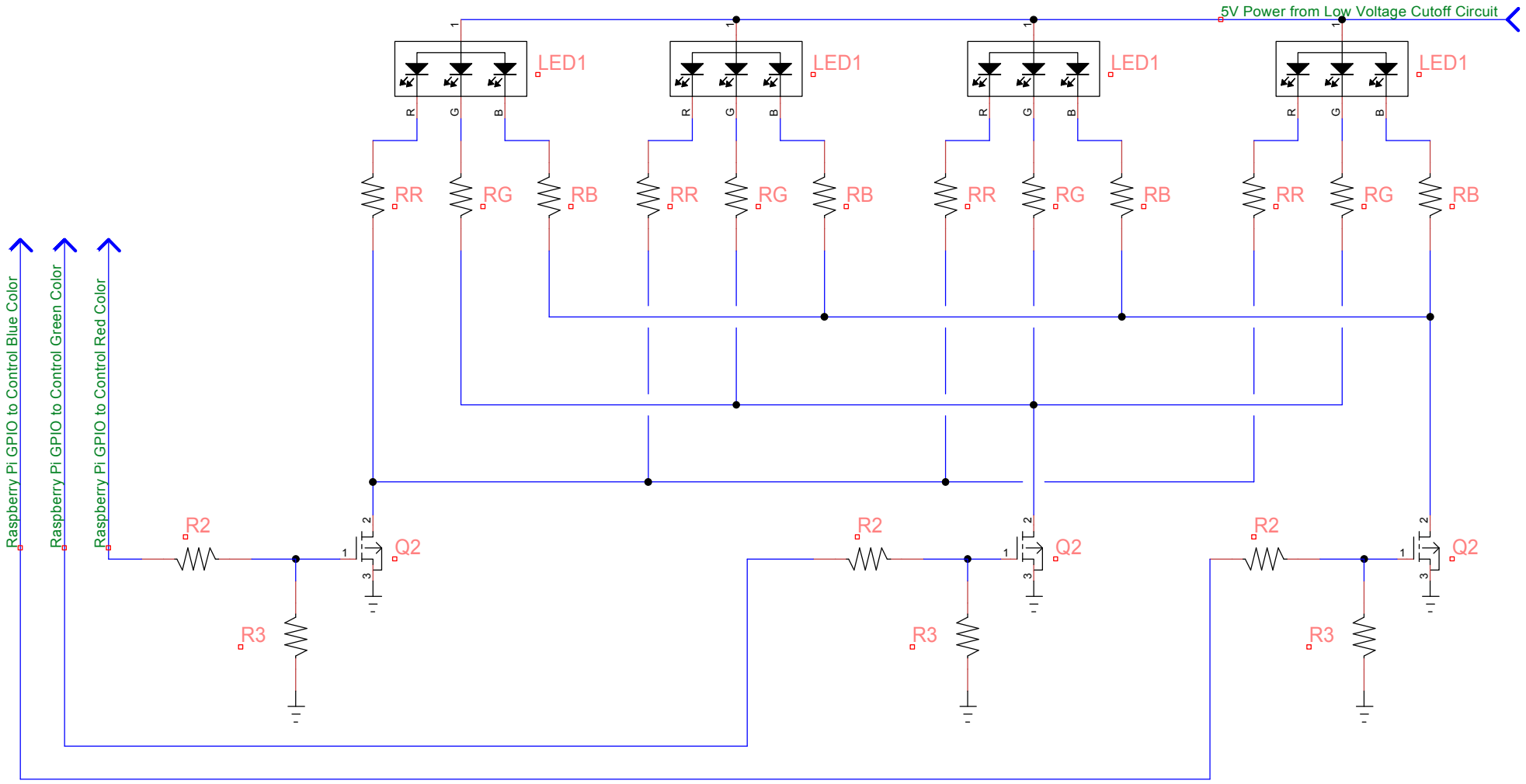
R1 = 61.9 kΩ
R2 = 49.9 kΩ
R3 = 1 MΩ

C1 = 1 uF

Q1 = IRF9530
U1 = ICL7611 DCPA
U2 = LP2950ACZ-5.0

U3 = OKI-78SR-5
U4 = MPM01

Title: Pheeno Low Voltage Cutoff Circuit		
Author: Sean Wilson		
File: ıeenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 1 of 1



RR = 200 Ω

RG = 121 Ω

RB = 121 Ω

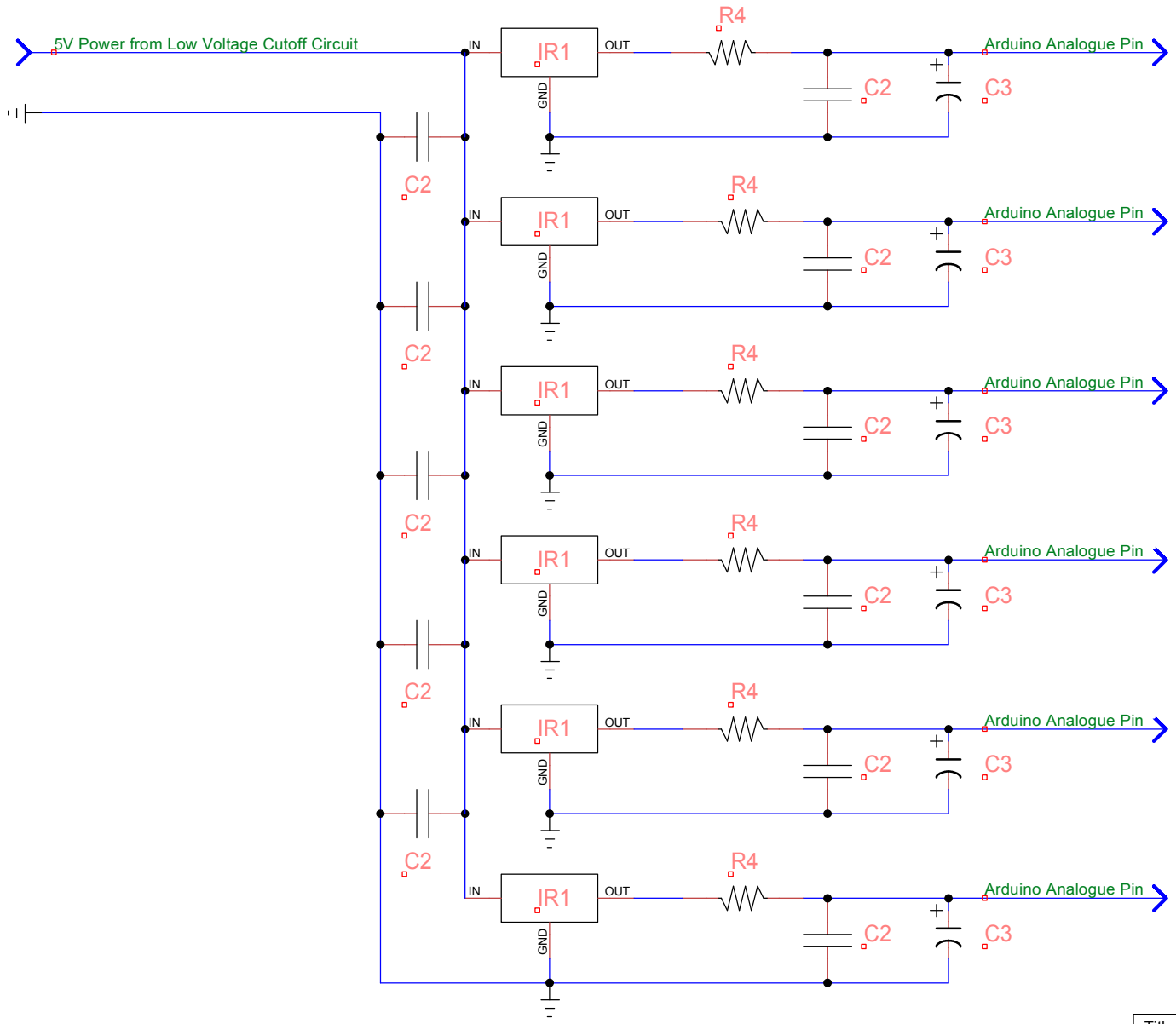
R2 = 49.9 kΩ

R3 = 1 MΩ

Q2 = ZVN2106A

LED1 = FD-5WSRGB-A

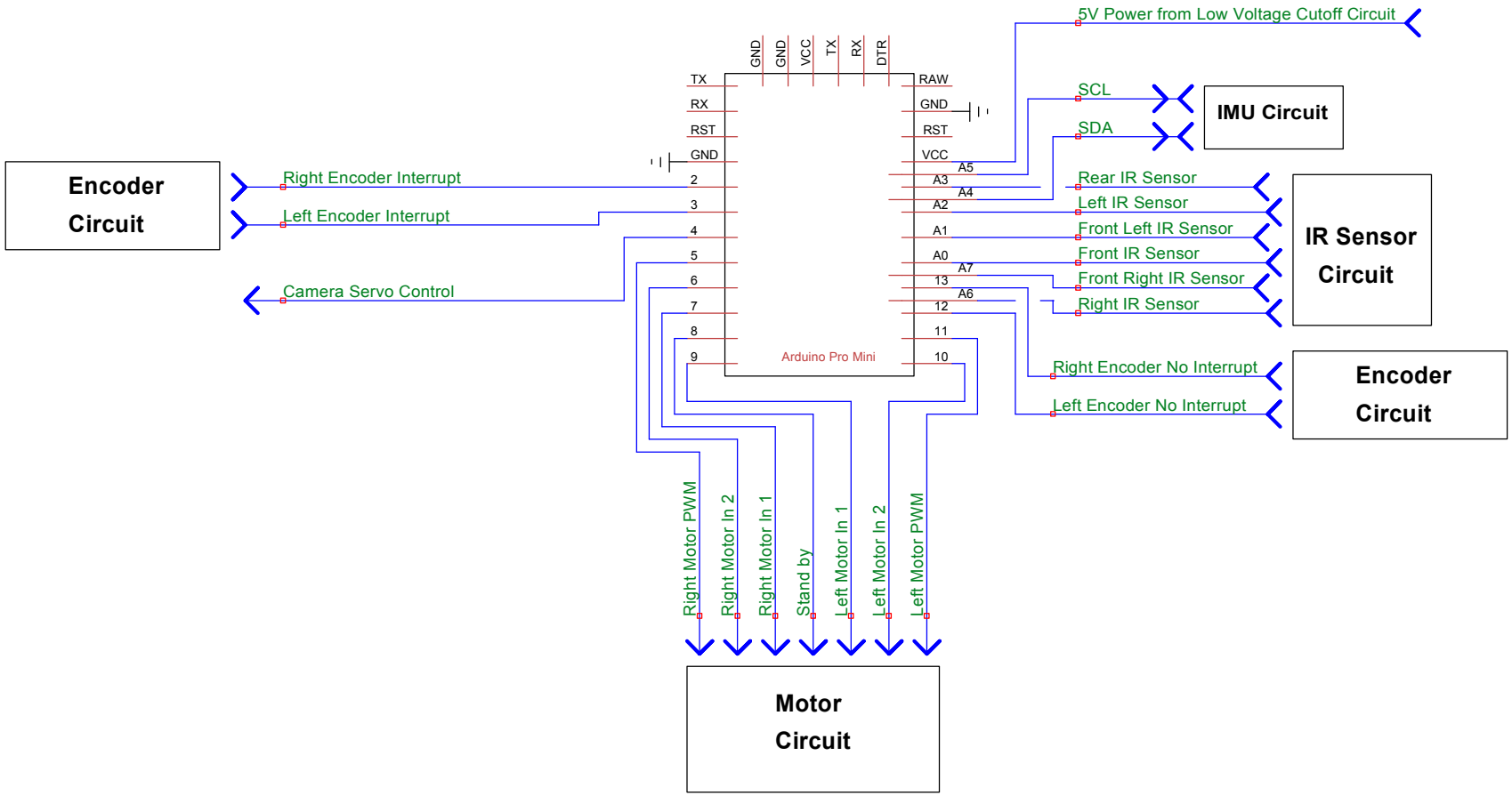
Title: Pheeno LED Circuit		
Author: Sean Wilson		
File: ›heenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 2



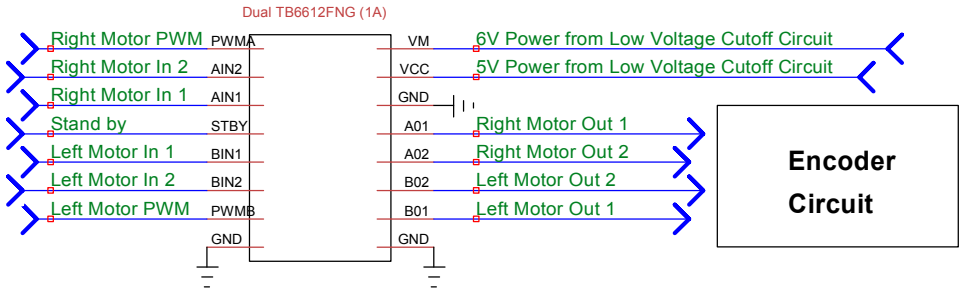
R4 = 10 kΩ C2 = 0.1 uF IR1 = Sharp GP2Y0A41SK0F (or any 5V IR Sensor which interfaces with JST Connectors)

C2 = 10 uF

Title: Pheeno IR Distance Sensor Circuit		
Author: Sean Wilson		
File: ›heenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 3

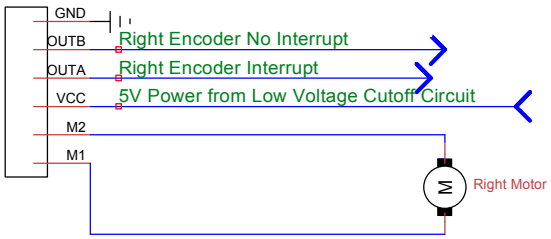


Title: Pheeno Arduino Circuit		
Author: Sean Wilson		
File: ıeenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 4

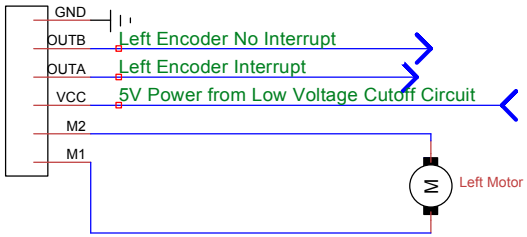


Title: Pheeno Motor Circuit		
Author: Sean Wilson		
File: heenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 5

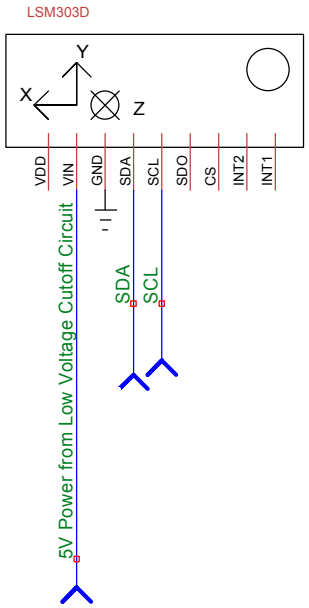
Pololu Quadrature Magnetic Encoder Board



Pololu Quadrature Magnetic Encoder Board



Title: Pheeno Encoder Circuit		
Author: Sean Wilson		
File: ᵖheenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 6



Title: Pheeno IMU Circuit		
Author: Sean Wilson		
File: heenoRobot\ElectronicSchematic\PheenoV1.dsn		Document
Revision: 1.0	Date: 03/2016	Sheets: 7