

Inputto Arduino	
Barrel Jack From Bus	12V


5V Regulator Rail			
D27	Position Signal	5V Right Servo	Board Ground
D29	Position Signal	5V Left Servo	Board Ground
D31	N/C	N/C	N/C
D33	N/C	N/C	N/C
D35	N/C	N/C	N/C
D37	N/C	N/C	N/C
D39	N/C	N/C	N/C
D41	N/C	N/C	N/C
D43	N/C	N/C	N/C
D45	N/C	N/C	N/C
D47	N/C	N/C	N/C
D49	N/C	From 5V Regulator	N/C

Note: The Arduino Board was cut to allow the 40 pin rail to get power from an additional 5 volt regulator. This was done to allow for addition of more sensors in the future in case of expansion of the robot without increasing the amount of power being pulled from the Arduino's Power source.

Upper S ingle Pin Line	
SCL	N/C
SDA	N/C
AREF	N/C
GND	N/C
13	N/C
12	N/C
11	N/C
10	N/C
9	Back Left PWM-P
8	N/C
7	N/C
6	Back Right PWM-P
5	Forward Left PWM-P
4	N/C
3	Forward Right PWM-P
2	N/C
1	N/C
0	N/C

Lower S ingle Pin Line	
IOREF	N/C
RESET	N/C
3.3V	N/C
5V	N/C
GND	N/C
GND	N/C
Vin	N/C
A0	N/C
A1	N/C
A2	Back Right PWM-D
A3	Back Left PWM-D
A4	Front Right PWM-D
A5	Front Left PWM-D

5V Arduino Power Rail			
2	N/C	N/C	N/C
3	N/C	N/C	N/C
4	N/C	N/C	N/C
5	N/C	N/C	N/C
6	N/C	N/C	N/C
7	N/C	N/C	Board Ground
8	Signal From Left Sensor	Board 5V	Board Ground
9	Signal From Right Sensor	Board 5V	Board Ground
10	N/C	N/C	N/C
11	N/C	N/C	N/C
12	N/C	N/C	N/C
13	N/C	N/C	N/C
14	N/C	N/C	N/C
15	N/C	N/C	N/C

<p>Disclaimer:</p> <p>Only qualified and experienced personnel should wire robots. SuperDroid Robots offers assembly of all their robot kits. Please see: Http://www.superdroidrobots.com/terms.htm</p>		SuperDroid Robots Inc							
		 <p>SuperDroidRobots.com</p>	<table border="1"> <tr> <td>Project</td> <td>Autonomous Promotional Robot</td> <td>Revised</td> <td>02/10/2014</td> </tr> <tr> <td>Title</td> <td></td> <td>Sheet</td> <td>4 OF 4</td> </tr> </table>	Project	Autonomous Promotional Robot	Revised	02/10/2014	Title	
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