

+5V	GND	A/D
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JP1 and JP2 – Sharp Sensor A/D Inputs

+5V	GND	A/D
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JP6, JP7, JP8 and JP9 – Line Sensor A/D Inputs

SDI
GND
SCK

JP12 – External I2C Connector

GND	+5V
CON	RS
RW	E
D4	D5
D6	D7

JP13 – LCD Port

GND
+5.5V

JP5 – Battery Connector

M1
M2

JP3 and JP4 – Motor Outputs

3	1
4	2

JP14 and JP15 – Sign-magnitude or Phase-locked Motor Control

D2	A4	B5
+5V	+5V	+5V
D3	D4	B4
GND	GND	GND

JP21, JP19 and JP20 – General I/O

D1	D0	B0
GND	GND	GND
+5V	+5V	+5V

JP17, JP16, JP18 – General I/O

GND
RX
+5V
TX

JP27 – Alternate Serial Connector

REG	+5.5V	NOREG
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JP25 – Regulator Control

+5V	VCC
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JP26 – Max232 Power Control