



| Digital I/O | | Serial | USB | (2) | | <u>3 Spare Pins</u> | |
|---------------|----|-----------------|-----|------------------------|-----|---------------------|-----------|
| 0 | Rx | Tx | | | | | |
| 1 | Tx | Rx | | | | | |
| LCD | | 3 | | | (3) | | |
| A | | | | | | | |
| B | | | | | | | |
| C | | | | | | | |
| IR I/P | | 1 | | | (1) | | |
| Buzzer O/P | | 1 | | | (1) | | |
| Bluetooth I/P | | 2 | | | (2) | | |
| Sonar I/P | | 2 | | | (2) | | (1 or 2?) |
| Motor M1 & M3 | | | | | (6) | | |
| Reset | | | | | | | Aref |
| 3.3V | | | | | | | GND |
| 5V | | | | | | | D 13 |
| GND | | | | | | | D 12 |
| GND | | | | | | | 11 |
| Vin | | | | | | | 10 |
| | | | | | | | 9 |
| | | | | | | | 8 |
| | | | | | | | 7 |
| | | | | | | | 6 |
| | | | | | | | 5 |
| | | | | | | | 4 |
| | | | | | | | 3 |
| | | | | | | | 2 |
| | | | | | | | 1 |
| | | | | | | | D 0 |
| D14 | A0 | | | | | | |
| 15 | 1 | | | | | | |
| 16 | 2 | | | | | | |
| 17 | 3 | | | | | | |
| 18 | 4 | | | | | | |
| 19 | A5 | | | | | | |
| | | Bluetooth | | Motor | | | |
| | | S/W Serial | | Motor M1 | | | |
| | | UltraSonic | | IR I/P Free | | | |
| | | Distance Sensor | | Motor | | | |
| | | Buzzer | | LCD Enable (1/12) | | | |
| | | IR I/P | | Motor M3 | | | |
| | | | | LCD Data (1/14) | | | |
| | | | | LCD Clock (1/11) | | | |
| | | | | USB | | | |
| | | | | Debug | | | |