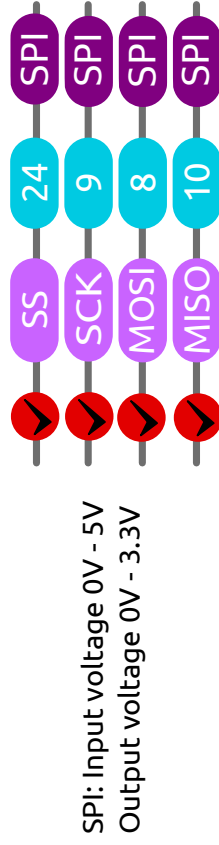
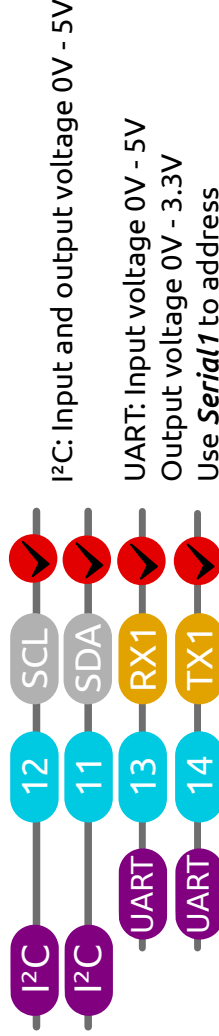


# Wattuno RC Roboter Controller - ATSAMW25 = SAMD21 + WINC1500



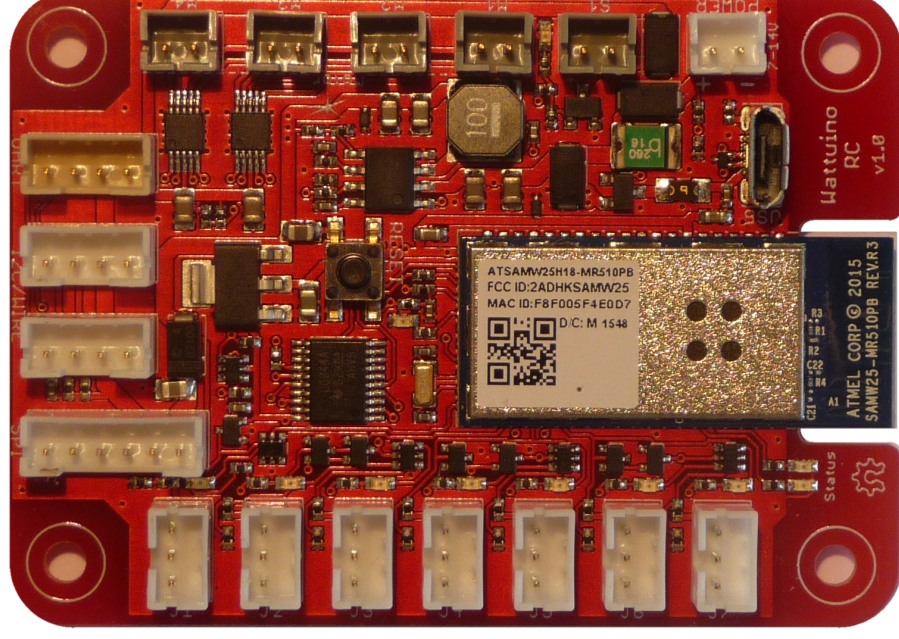
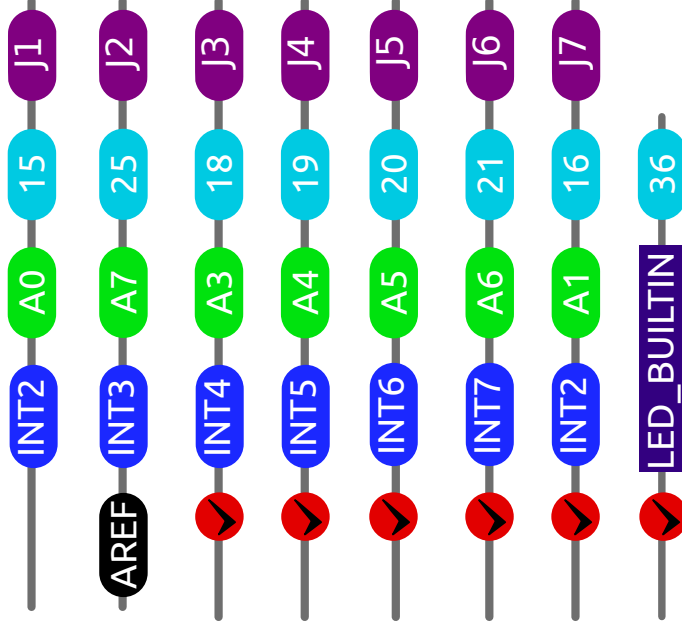
SPI: Input voltage 0V - 5V  
Output voltage 0V - 3.3V



I<sup>2</sup>C: Input and output voltage 0V - 5V

UART: Input voltage 0V - 5V  
Output voltage 0V - 3.3V  
Use *Serial1* to address

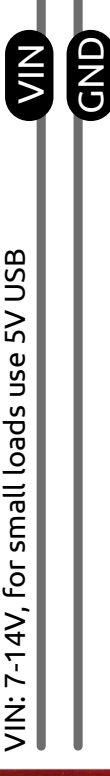
J1-J7: Input voltage 0V - 5V  
Output voltage 0V - 3.3V



M1-M4, S1: output only, 0V - VIN, max 1A per phase

|    | 1st bit | 2nd bit |  |
|----|---------|---------|--|
| M4 | 5 ✓     | 4 ✓     | 10 = forward<br>01 = reverse<br>00 = coast<br>11 = brake |
| M3 | 3 ✓     | 2 ✓     |  |
| M2 | 1 ✓     | 0 ✓     |  |
| M1 | 7 ✓     | 6 ✓     |  |
| S1 | 37 ✓    |         | max 2A   |

VIN: 7-14V, for small loads use 5V USB



Use *Serial* to address USB serial

DIGITAL

ANALOG

POWER

SERIAL

SPI

I2C

PWM

INTERRUPT