RedBoard Plus
DEV-18158
Programmed with Arduino
16 MHz

- Cut jumpers A4 and A5 on back of board when using pins for analog input to disable logic level conversion used for I2C pins.

Power
VIN: 7V-15V via barrel jack
5V (VBUS): 5V via USB C or 5V voltage regulator (LM1117)
3.3V: Output of 3.3V voltage regulator (AP2112)
I/O logic levels (IOREF, VCC): 5V or 3.3V depending on switch

ATmega328P 8-bit Atmel AVR
Absolute maximum VCC: 6V
Maximum current for chip: 200mA
Maximum current per pin: 40mA
Recommended current per pin: 20mA
Flash Program Memory: 32kB
EEEPROM: 1kB
Internal SRAM: 2kB
ADC: 10-bit
PWM: 8-bit

LEDs
Power (ON): Green
User (13): Blue
RX: Yellow
TX: Green

USB
- USB Pins are broken out to pads on back.
- Data Pins are connected to the CH340.
- Add solder to BYP jumper to bypass fuse.