

oribokit[®]

ORIGAMI & ROBOTICS KIT

VERSION 1.4

RGB FLOWER

ATMEGA32U4

EXP1

2.54mm 6 pin header

TX TX Serial
RX RX Serial
5V 5V
G Ground
SDA I2C Serial Data
SCL I2C Serial Clock

EXP2

2.54mm 6 pin header

INT Interrupt
A5 Analog Pin 5
A4 Analog Pin 4
A3 Analog Pin 3
A2 Analog Pin 2
A1 Analog Pin 1

RGB [1-3]

2.54mm 3 pin header

GND Ground
5V 5V DIGITAL
DATA RGB1, RGB2, RGB3
RGB1 PWM PB6 Pin 10
RGB2 PWM PC6 Pin 5
RGB3 PWM PC7 Pin 13

SERVO [1-3]

2.54mm 3 pin header

GND Ground
5V 5V DIGITAL
SERVO1 PWM PB5 Pin 9
SERVO2 PWM PD7 Pin 6
SERVO3 PWM PD6 Pin 12

FUSE RATED AT 1.5 A

REVISION NOTES:

ATMEGA32u4

Native USB

Added EXP1 for Serial and I2C

Added EXP2 for Analogue Sensors

Added RGB 1-3 for PWM RGB LEDs

