

# oribokit<sup>®</sup>

## ORIGAMI & ROBOTICS KIT

### VERSION 1.5

#### RGB FLOWER 2

#### 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  
 Added QR-CODE to oribokit.com

##### Chipageon necessitated updates

Updated 16MHz crystal  
 Updated Power Diode D2

