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 12C Serial Data SCL 12C 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]

GND

GND

2.54mm 3 pin header

5V 5V DIGITAL

DATA RGB1, RGB2, RGB3

RGB1 PWM PB6 Pin 10

RGB2 PWM PC6 Pin 5

RGB3 PWM PC7 Pin 13

Ground

SERVO [1-3]

2.54mm 3 pin header

5V 5V DIGITAL
RGB1 PWM PB5 Pin 9
RGB2 PWM PD7 Pin 6
RGB3 PWM PD6 Pin 12

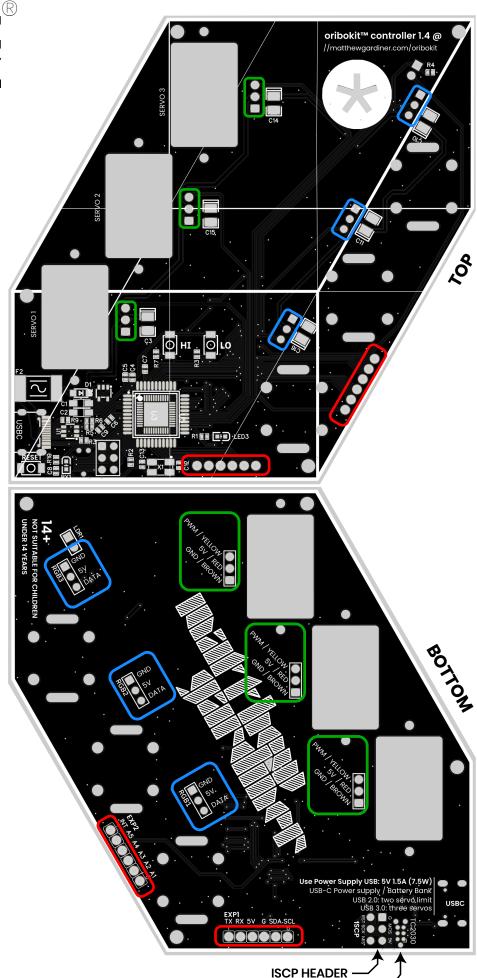
Ground

FUSE RATED AT 1.5 A

REVISION NOTES:

ATMEGA32u4 Native USB

Added EXP 1 for Serial and I2C Added EXP2 for Analogue Sensors Added RGB 1–3 for PWM RGB LEDs



TAG CONNECT