

oribokit[®]

ORIGAMI & ROBOTICS KIT

VERSION 1.6

FLAT FLEX

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
RGB1 PWM PB5 Pin 9
RGB2 PWM PD7 Pin 6
RGB3 PWM PD6 Pin 12

FPC [1-3]

0.5mm Flat Flex Cable

GND Ground
5V 5V DIGITAL
RGB OUT Not connected
RGB IN RGB1 RGB2 RGB3
A4 Analog Pin 4
A3 Analog Pin 3
A2 Analog Pin 2
A1 Analog Pin 1

FUSE RATED AT 1.5 A

REVISION NOTES:

ATMEGA32u4
 Added Flat Flex connectors
 Updated USB-C connector

