oribokit®
ORIGAMI & ROBOTICS KIT

VERSION 1.6
FLAT FLEX
ATMEGA32U4

EXP 1
2.54mm 6 pin header

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

EXP 2
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

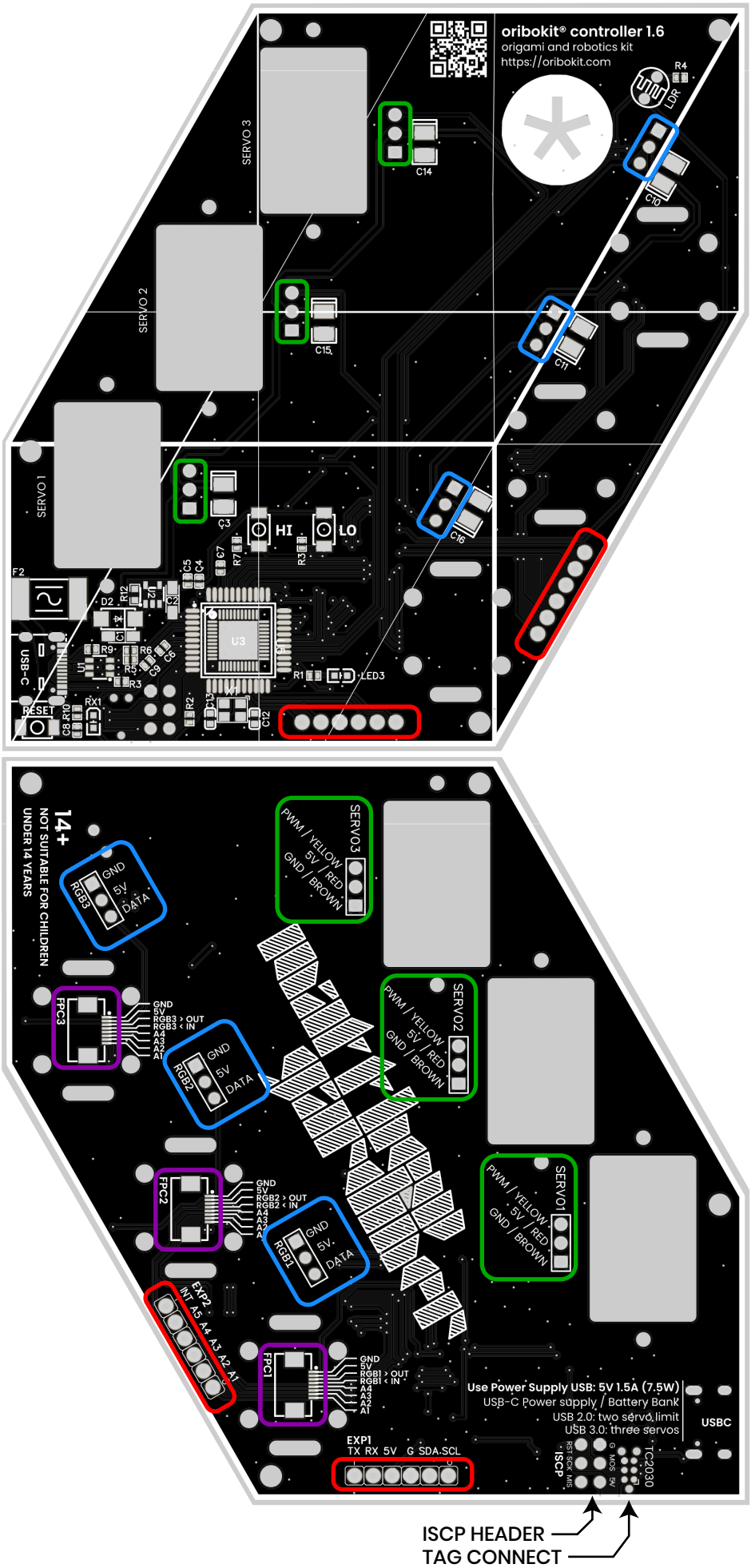
GND	Ground	
5V	5V DIGITAL	
DATA	RGB1, RGB2, RGB3	
RGB1	PWM PB6	Pin 10
RGB2	PWM PC6	Pin 5
RGB3	PWM PC7	Pin 13

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

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