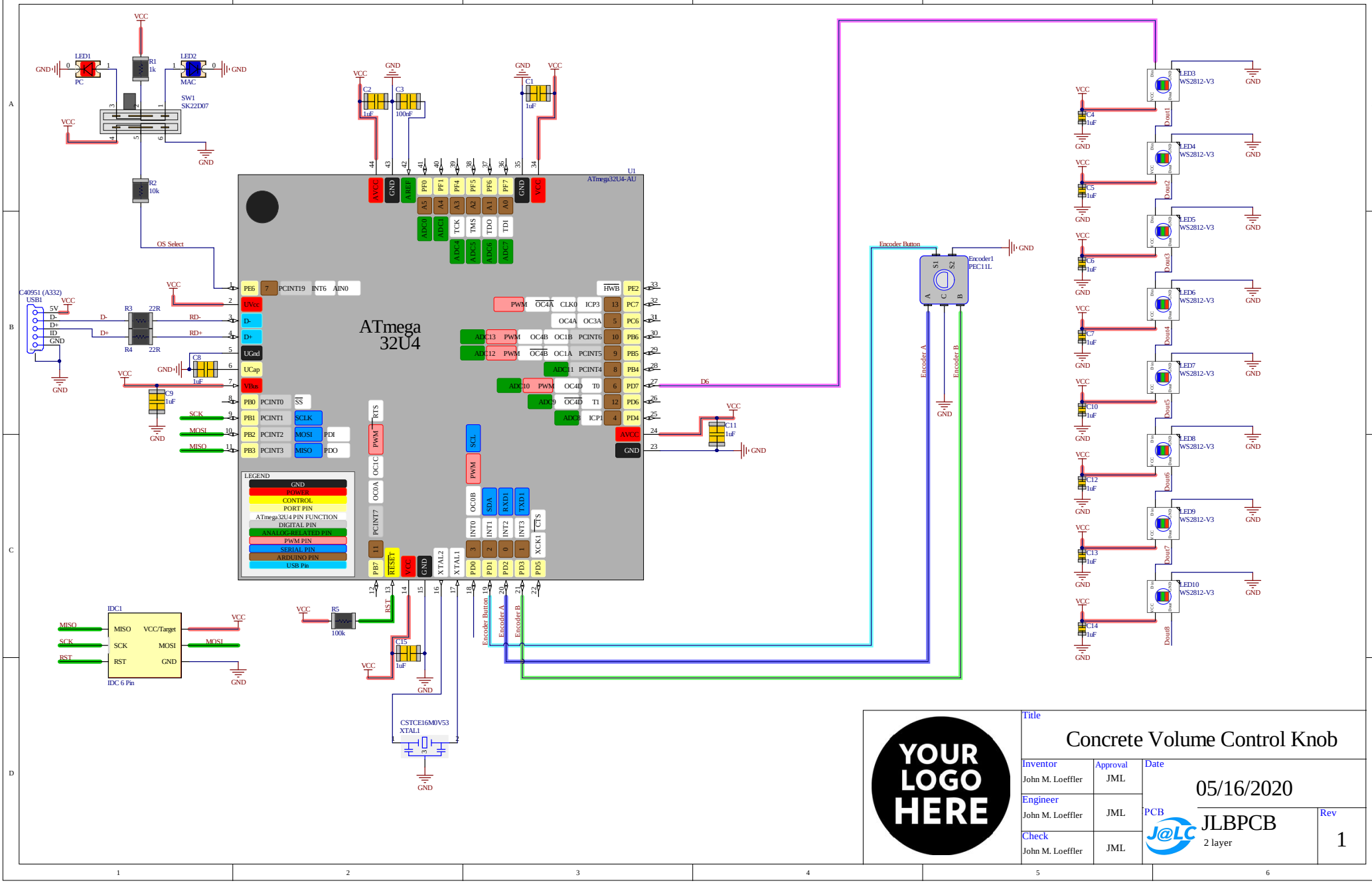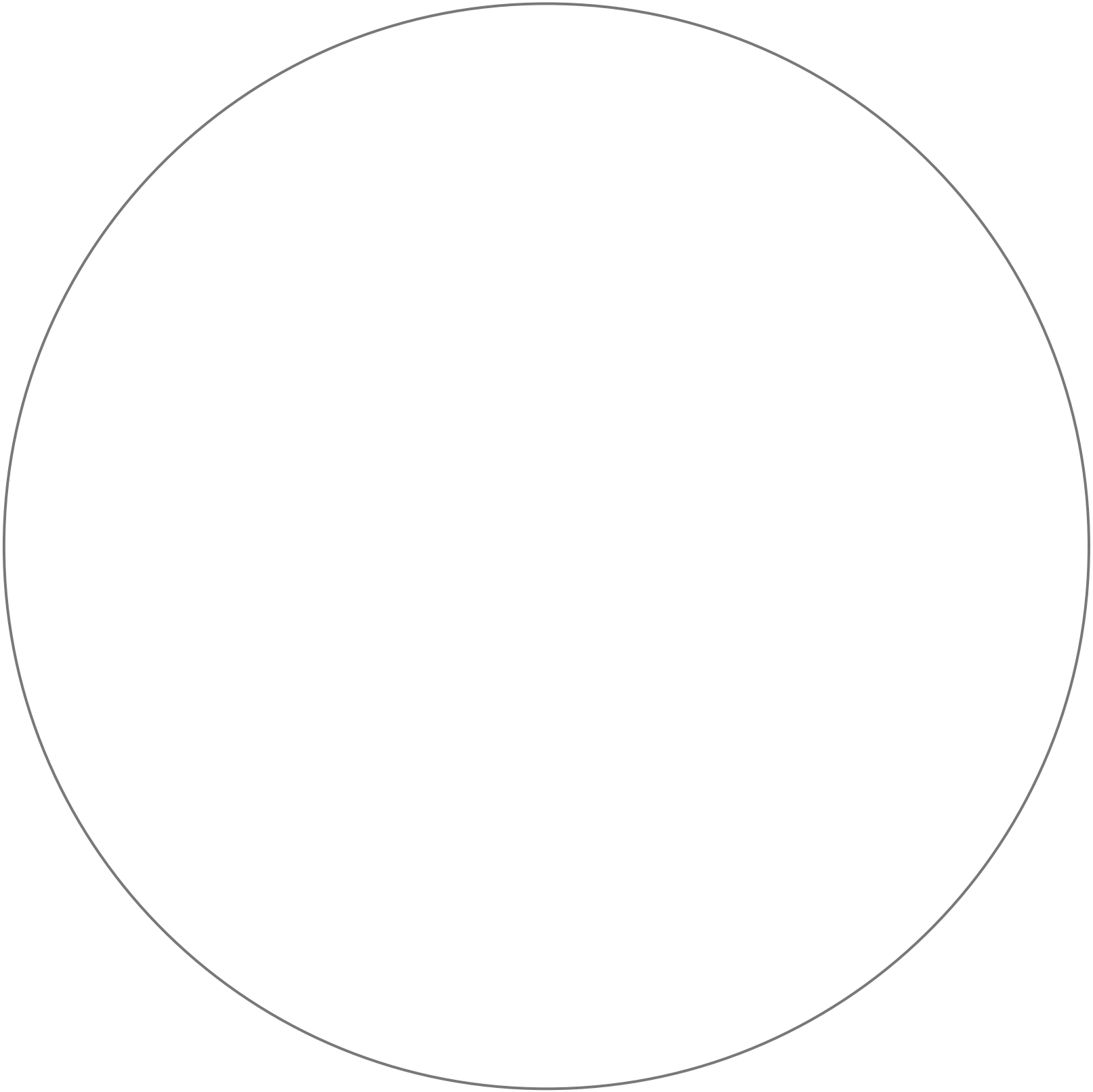
ATmega 32U4
U1
ATmega32U4-AU
LEGEND
GND
POWER
CONTROL
PORT PIN
ATmega32U4 PIN FUNCTION
DIGITAL PIN
ANALOG-RELATED PIN
PWM PIN
SERIAL PIN
ARDUINO PIN
USB Pin
LED1
PC
LED2
MAC
SW1
SK22D07
R1
1k
R2
10k
OS Select
C40951 (A332)
USB1
R3
22R
R4
22R
C8
1uF
C9
1uF
C2
1uF
C3
100nF
C1
1uF
C11
1uF
Encoder Button
Encoder1
PEC11L
Encoder A
Encoder B
D6
IDC1
IDC 6 Pin
MISO
SCK
RST
VCC/Target
MOSI
R5
100k
C15
1uF
CSTCE16M0V53
XTAL1
LED3
WS2812-V3
LED4
WS2812-V3
LED5
WS2812-V3
LED6
WS2812-V3
LED7
WS2812-V3
LED8
WS2812-V3
LED9
WS2812-V3
LED10
WS2812-V3
C4
1uF
C5
1uF
C6
1uF
C7
1uF
C10
1uF
C12
1uF
C13
1uF
C14
1uF
Dout1
Dout2
Dout3
Dout4
Dout5
Dout6
Dout7
Dout8
YOUR LOGO HERE
Title
Concrete Volume Control Knob
Inventor
John M. Loeffler
Approval
JML
Date
05/16/2020
Engineer
John M. Loeffler
JML
PCB
JLBPCB
2 layer
Rev
1
Check
John M. Loeffler
JML