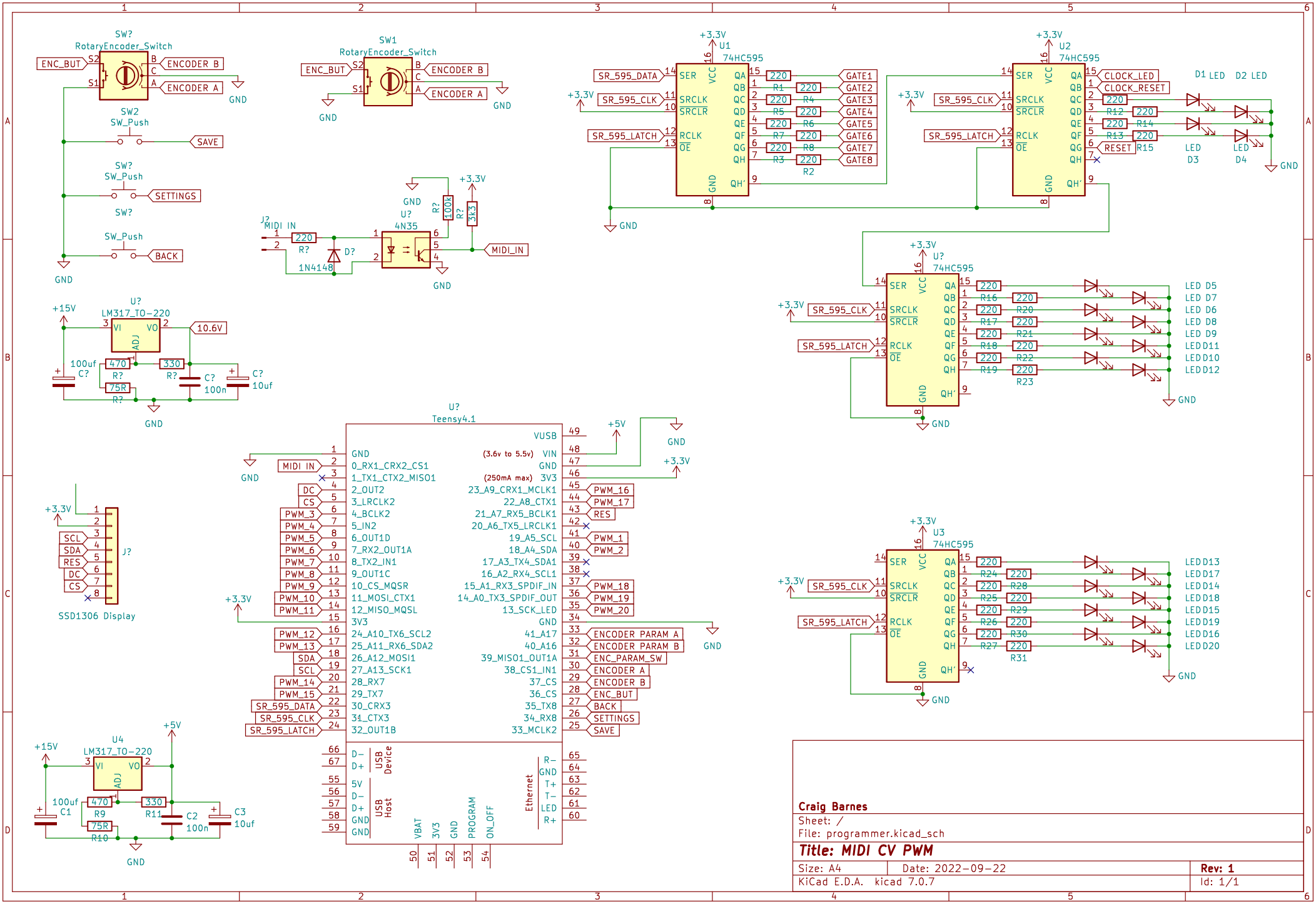
SW?
RotaryEncoder_Switch
ENC_BUT
ENCODER B
ENCODER A
GND
SW2
SW_Push
SAVE
SW?
SW_Push
SETTINGS
SW?
SW_Push
BACK
SW1
RotaryEncoder_Switch
U1
74HC595
U2
74HC595
U?
74HC595
U3
74HC595
SER
SRCLK
SRCLR
RCLK
OE
VCC
GND
QA
QB
QC
QD
QE
QF
QG
QH
QH'
SR_595_DATA
SR_595_CLK
SR_595_LATCH
+3.3V
GATE1
GATE2
GATE3
GATE4
GATE5
GATE6
GATE7
GATE8
CLOCK_LED
CLOCK_RESET
RESET
D1 LED
D2 LED
LED D3
LED D4
LED D5
LED D7
LED D6
LED D8
LED D9
LED D11
LED D10
LED D12
LED D13
LED D17
LED D14
LED D18
LED D15
LED D19
LED D16
LED D20
J2
MIDI IN
D?
1N4148
U?
4N35
MIDI_IN
+15V
U?
LM317_TO-220
VI
VO
ADJ
10.6V
100uf
C?
470
330
75R
100n
10uf
U?
Teensy4.1
VUSB
(3.6v to 5.5v) VIN
(250mA max) 3V3
+5V
MIDI IN
DC
CS
PWM_3
PWM_4
PWM_5
PWM_6
PWM_7
PWM_8
PWM_9
PWM_10
PWM_11
PWM_12
PWM_13
SDA
SCL
PWM_14
PWM_15
SR_595_DATA
SR_595_CLK
SR_595_LATCH
PWM_16
PWM_17
RES
PWM_1
PWM_2
PWM_18
PWM_19
PWM_20
ENCODER PARAM A
ENCODER PARAM B
ENC_PARAM_SW
ENCODER A
ENCODER B
ENC_BUT
BACK
SETTINGS
SAVE
USB Device
USB Host
Ethernet
VBAT
3V3
PROGRAM
ON_OFF
J?
SSD1306 Display
U4
LM317_TO-220
C1
R9
R10
R11
C2
C3
Craig Barnes
Sheet: /
File: programmer.kicad_sch
Title: MIDI CV PWM
Size: A4
Date: 2022-09-22
Rev: 1
KiCad E.D.A. kicad 7.0.7
Id: 1/1