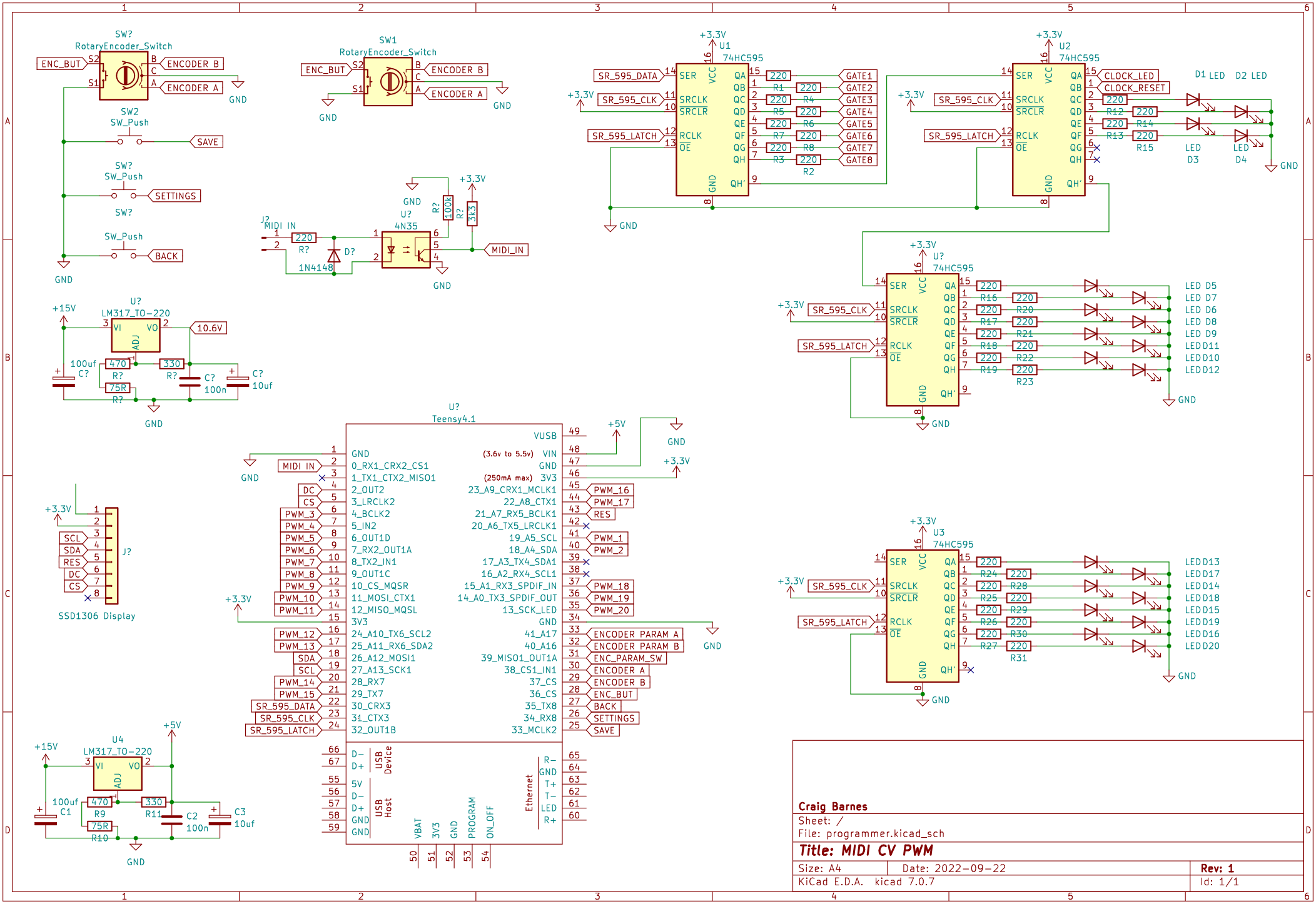
SW?
RotaryEncoder_Switch
ENC_BUT
ENCODER B
ENCODER A
GND
SW2
SW_Push
SAVE
SW?
SW_Push
SETTINGS
SW?
SW_Push
BACK
SW1
RotaryEncoder_Switch
U1
74HC595
U2
74HC595
U?
74HC595
U3
74HC595
SER
SRCLK
SRCLR
RCLK
OE
VCC
GND
QA
QB
QC
QD
QE
QF
QG
QH
QH'
SR_595_DATA
SR_595_CLK
SR_595_LATCH
+3.3V
GATE1
GATE2
GATE3
GATE4
GATE5
GATE6
GATE7
GATE8
CLOCK_LED
CLOCK_RESET
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
U4
LM317_TO-220
C1
R9
R10
R11
C2
C3
+5V
J?
SCL
SDA
RES
DC
CS
SSD1306 Display
U?
Teensy4.1
VUSB
(3.6v to 5.5v) VIN
(250mA max) 3V3
0_RX1_CRX2_CS1
1_TX1_CTX2_MISO1
2_OUT2
3_LRCLK2
4_BCLK2
5_IN2
6_OUT1D
7_RX2_OUT1A
8_TX2_IN1
9_OUT1C
10_CS_MQSR
11_MOSI_CTX1
12_MISO_MQSL
3V3
24_A10_TX6_SCL2
25_A11_RX6_SDA2
26_A12_MOSI1
27_A13_SCK1
28_RX7
29_TX7
30_CRX3
31_CTX3
32_OUT1B
23_A9_CRX1_MCLK1
22_A8_CTX1
21_A7_RX5_BCLK1
20_A6_TX5_LRCLK1
19_A5_SCL
18_A4_SDA
17_A3_TX4_SDA1
16_A2_RX4_SCL1
15_A1_RX3_SPDIF_IN
14_A0_TX3_SPDIF_OUT
13_SCK_LED
41_A17
40_A16
39_MISO1_OUT1A
38_CS1_IN1
37_CS
36_CS
35_TX8
34_RX8
33_MCLK2
PWM_3
PWM_4
PWM_5
PWM_6
PWM_7
PWM_8
PWM_9
PWM_10
PWM_11
PWM_12
PWM_13
PWM_14
PWM_15
PWM_16
PWM_17
PWM_18
PWM_19
PWM_20
PWM_1
PWM_2
ENCODER PARAM A
ENCODER PARAM B
ENC_PARAM_SW
BACK
SETTINGS
SAVE
USB Device
USB Host
Ethernet
VBAT
3V3
PROGRAM
ON_OFF
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