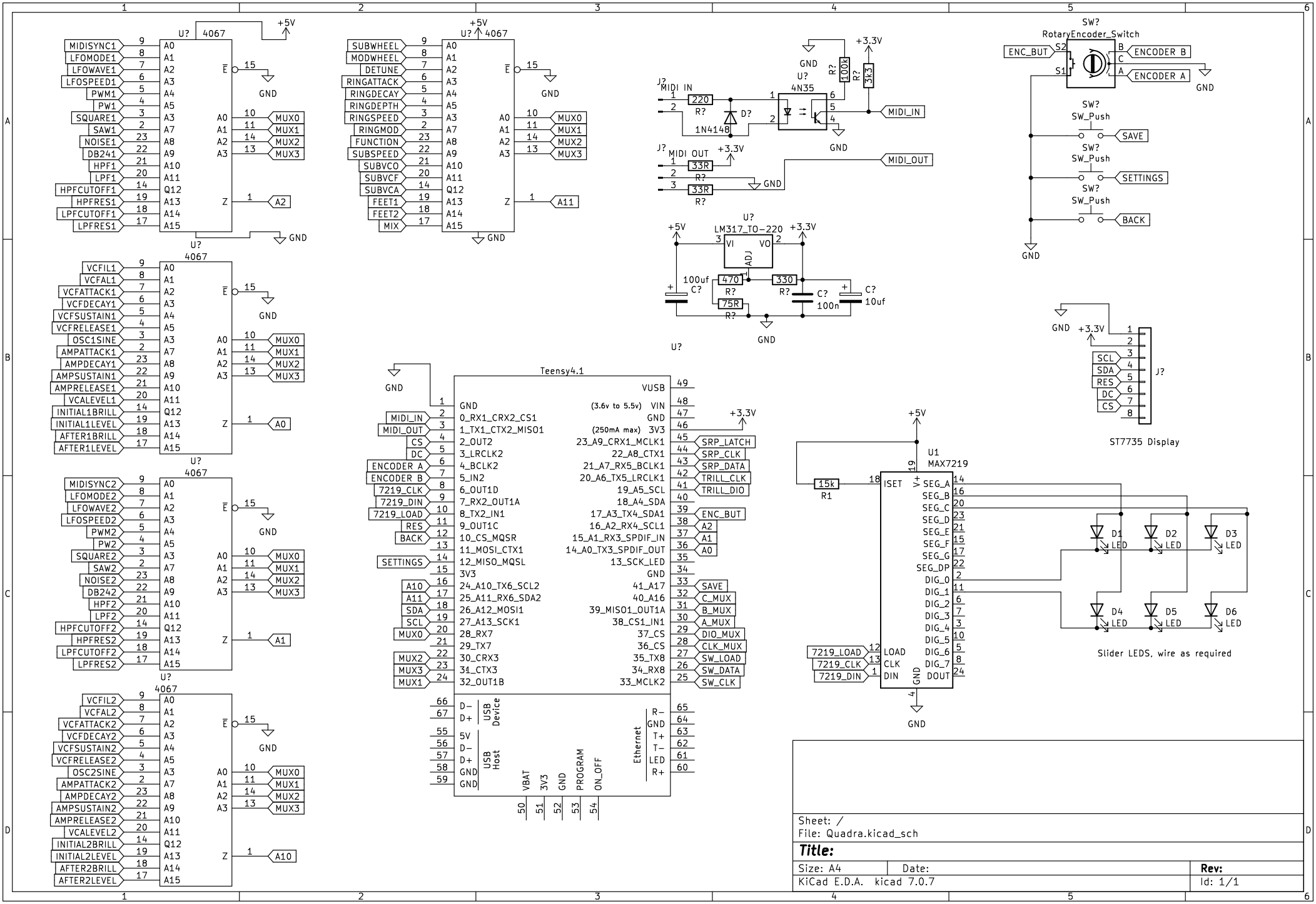
U? 4067
MIDISYNC1
LFOMODE1
LFOWAVE1
LFOSPEED1
PWM1
PW1
SQUARE1
SAW1
NOISE1
DB241
HPF1
LPF1
HPFCUTOFF1
HPFRES1
LPFCUTOFF1
LPFRES1
MUX0
MUX1
MUX2
MUX3
A2
U? 4067
SUBWHEEL
MODWHEEL
DETUNE
RINGATTACK
RINGDECAY
RINGDEPTH
RINGSPEED
RINGMOD
FUNCTION
SUBSPEED
SUBVCO
SUBVCF
SUBVCA
FEET1
FEET2
MIX
A11
U? 4067
VCFIL1
VCFAL1
VCFATTACK1
VCFDECAY1
VCFSUSTAIN1
VCFRELEASE1
OSC1SINE
AMPATTACK1
AMPDECAY1
AMPSUSTAIN1
AMPRELEASE1
VCALEVEL1
INITIAL1BRILL
INITIAL1LEVEL
AFTER1BRILL
AFTER1LEVEL
A0
U? 4067
MIDISYNC2
LFOMODE2
LFOWAVE2
LFOSPEED2
PWM2
PW2
SQUARE2
SAW2
NOISE2
DB242
HPF2
LPF2
HPFCUTOFF2
HPFRES2
LPFCUTOFF2
LPFRES2
A1
U? 4067
VCFIL2
VCFAL2
VCFATTACK2
VCFDECAY2
VCFSUSTAIN2
VCFRELEASE2
OSC2SINE
AMPATTACK2
AMPDECAY2
AMPSUSTAIN2
AMPRELEASE2
VCALEVEL2
INITIAL2BRILL
INITIAL2LEVEL
AFTER2BRILL
AFTER2LEVEL
A10
J? MIDI IN
220
R?
D?
1N4148
U? 4N35
R? 100k
R? 3k3
+3.3V
MIDI_IN
J? MIDI OUT
33R
MIDI_OUT
U? LM317_TO-220
VI
VO
ADJ
100uf
C?
470
330
75R
C? 100n
C? 10uf
Teensy4.1
VUSB
(3.6v to 5.5v) VIN
(250mA max) 3V3
GND
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
SRP_LATCH
SRP_CLK
SRP_DATA
TRILL_CLK
TRILL_DIO
ENC_BUT
SAVE
C_MUX
B_MUX
A_MUX
DIO_MUX
CLK_MUX
SW_LOAD
SW_DATA
SW_CLK
USB Device
USB Host
Ethernet
VBAT
PROGRAM
ON_OFF
SW? RotaryEncoder_Switch
ENC_BUT
ENCODER B
ENCODER A
SW? SW_Push
SAVE
SETTINGS
BACK
J?
SCL
SDA
RES
DC
CS
ST7735 Display
U1 MAX7219
15k
R1
ISET
V+
LOAD
CLK
DIN
DOUT
7219_LOAD
7219_CLK
7219_DIN
SEG_A
SEG_B
SEG_C
SEG_D
SEG_E
SEG_F
SEG_G
SEG_DP
DIG_0
DIG_1
DIG_2
DIG_3
DIG_4
DIG_5
DIG_6
DIG_7
D1 LED
D2 LED
D3 LED
D4 LED
D5 LED
D6 LED
Slider LEDS, wire as required
Sheet: /
File: Quadra.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 7.0.7
Id: 1/1