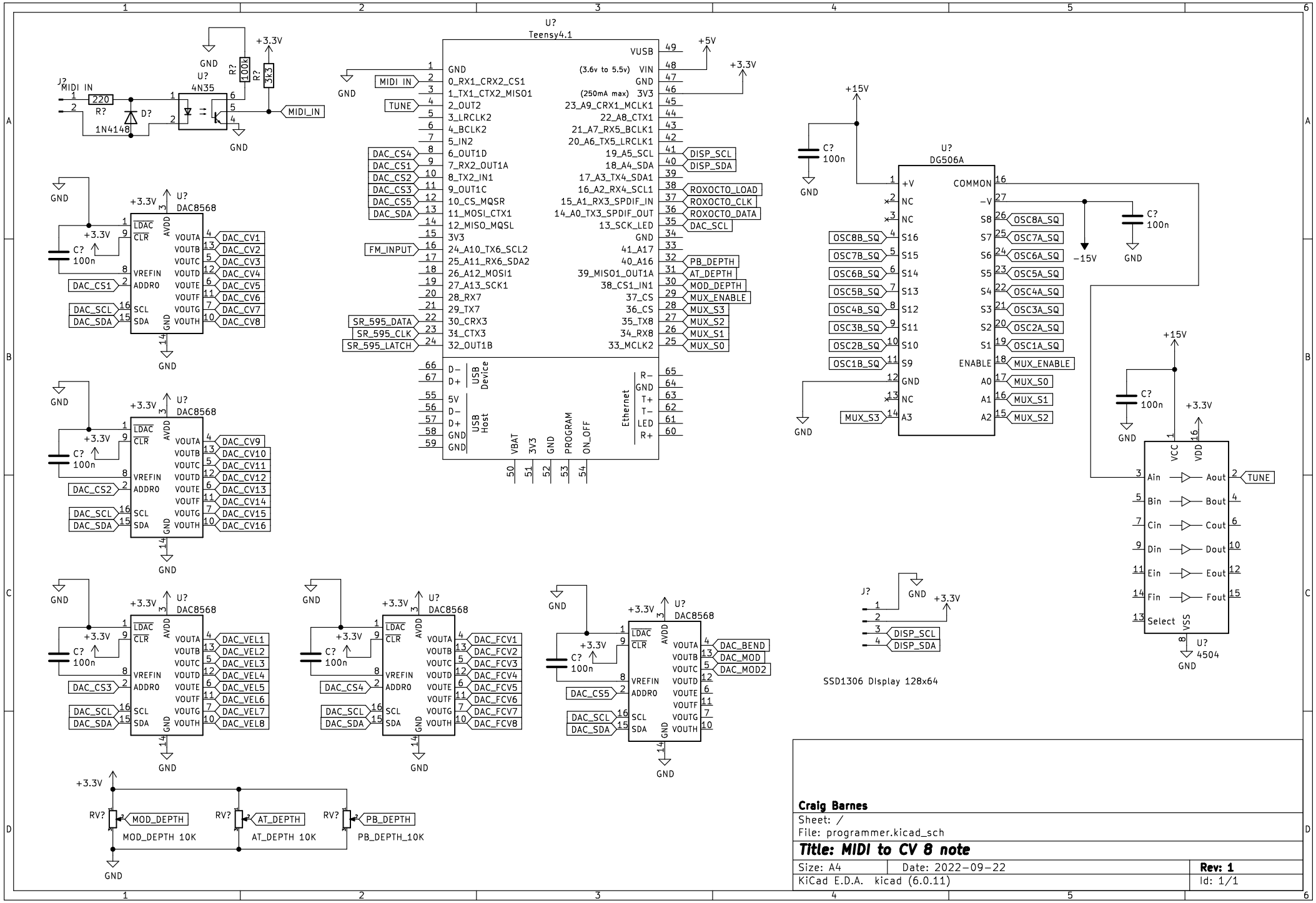
J?
MIDI IN
220
R?
D?
1N4148
U?
4N35
R?
100k
R?
3k3
+3.3V
GND
MIDI_IN
U?
Teensy4.1
MIDI IN
TUNE
DAC_CS4
DAC_CS1
DAC_CS2
DAC_CS3
DAC_CS5
DAC_SDA
FM_INPUT
SR_595_DATA
SR_595_CLK
SR_595_LATCH
VUSB
(3.6v to 5.5v) VIN
(250mA max) 3V3
+5V
DISP_SCL
DISP_SDA
ROXOCTO_LOAD
ROXOCTO_CLK
ROXOCTO_DATA
DAC_SCL
PB_DEPTH
AT_DEPTH
MOD_DEPTH
MUX_ENABLE
MUX_S3
MUX_S2
MUX_S1
MUX_S0
USB Device
USB Host
Ethernet
VBAT
3V3
PROGRAM
ON_OFF
U?
DAC8568
LDAC
CLR
VREFIN
ADDR0
SCL
SDA
AVDD
VOUTA
VOUTB
VOUTC
VOUTD
VOUTE
VOUTF
VOUTG
VOUTH
DAC_CV1
DAC_CV2
DAC_CV3
DAC_CV4
DAC_CV5
DAC_CV6
DAC_CV7
DAC_CV8
DAC_CV9
DAC_CV10
DAC_CV11
DAC_CV12
DAC_CV13
DAC_CV14
DAC_CV15
DAC_CV16
DAC_VEL1
DAC_VEL2
DAC_VEL3
DAC_VEL4
DAC_VEL5
DAC_VEL6
DAC_VEL7
DAC_VEL8
DAC_FCV1
DAC_FCV2
DAC_FCV3
DAC_FCV4
DAC_FCV5
DAC_FCV6
DAC_FCV7
DAC_FCV8
DAC_BEND
DAC_MOD
DAC_MOD2
C?
100n
RV?
MOD_DEPTH
MOD_DEPTH 10K
AT_DEPTH
AT_DEPTH 10K
PB_DEPTH
PB_DEPTH_10K
+15V
-15V
U?
DG506A
COMMON
ENABLE
OSC8B_SQ
OSC7B_SQ
OSC6B_SQ
OSC5B_SQ
OSC4B_SQ
OSC3B_SQ
OSC2B_SQ
OSC1B_SQ
OSC8A_SQ
OSC7A_SQ
OSC6A_SQ
OSC5A_SQ
OSC4A_SQ
OSC3A_SQ
OSC2A_SQ
OSC1A_SQ
U?
4504
VCC
VDD
VSS
Ain
Bin
Cin
Din
Ein
Fin
Select
Aout
Bout
Cout
Dout
Eout
Fout
SSD1306 Display 128x64
Craig Barnes
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File: programmer.kicad_sch
Title: MIDI to CV 8 note
Size: A4
Date: 2022-09-22
Rev: 1
KiCad E.D.A. kicad (6.0.11)
Id: 1/1