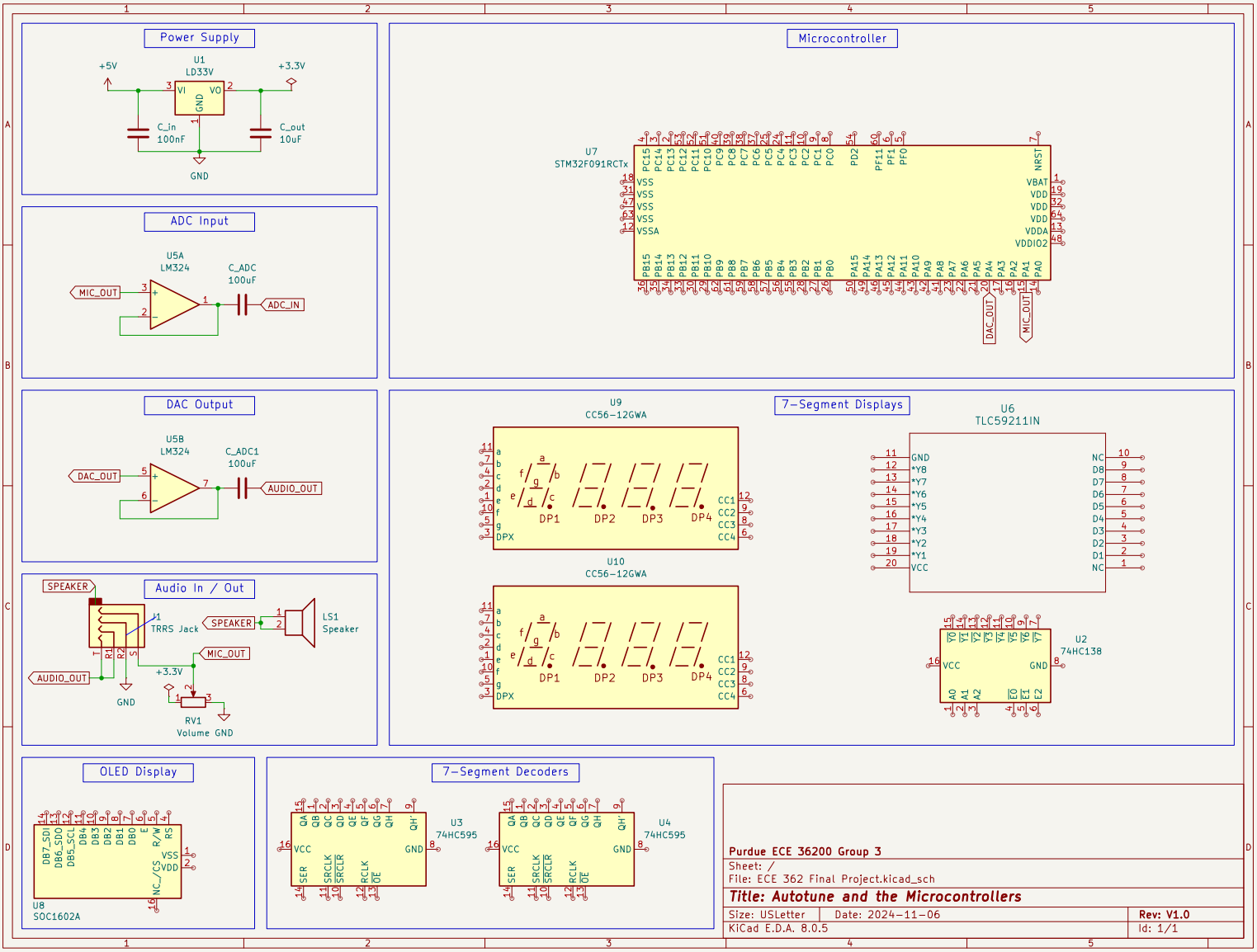
Power Supply
U1
LD33V
+5V
+3.3V
VI
VO
GND
C_in
100nF
C_out
10uF
GND
ADC Input
U5A
LM324
C_ADC
100uF
MIC_OUT
ADC_IN
DAC Output
U5B
LM324
C_ADC1
100uF
DAC_OUT
AUDIO_OUT
Audio In / Out
SPEAKER
J1
TRRS Jack
LS1
Speaker
MIC_OUT
AUDIO_OUT
+3.3V
GND
RV1
Volume GND
Microcontroller
U7
STM32F091RCTx
NRST
VBAT
VDD
VDDA
VDDIO2
VSS
VSSA
DAC_OUT
MIC_OUT
7-Segment Displays
U9
CC56-12GWA
U10
CC56-12GWA
U6
TLC59211IN
U2
74HC138
OLED Display
U8
SOC1602A
7-Segment Decoders
U3
74HC595
U4
74HC595
Purdue ECE 36200 Group 3
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